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J. Younger.

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J. Younger.

THE
Complete ANNUITANT :
 CONSISTING OF
T A B L E S
 OF
I N T E R E S T,
 SIMPLE and COMPOUND.

Being the most complete, extensive, and useful Set
 hitherto published ; constructed on a new and
 familiar PLAN, *viz.*

- | | |
|---|---|
| <p>I. An Universal Table of SIMPLE INTEREST, shewing the Interest of any Sum of Money from £90.000.000 to 1 Penny, and from 1 to 365 Days absolute, &c.</p> <p>II. Tables of COMPOUND INTEREST, at £3, 4 and 5 <i>per Cent. per Ann.</i> shewing the Amount and present worth of any Sum, likewise the Amount and present worth of any Yearly Sum, Rent, Annuity or Pension, at the same Rates of Interest, from 1 Year to 100 Years ; with their Application in Reversions, and renewing and purchasing of Leases.</p> <p>III. A Table of REVERSIONS.</p> <p>IV. A Table of ANNUITIES, shewing how many Years pur-</p> | <p>chase any Annuity or Lease of any Land or House is worth, and likewise for the Renewing of any Number of Years lapsed in any Lease for any Term of Years.</p> <p>V. A Table shewing the Value of any Estate in FEE SIMPLE, with Tables of Fines for renewing College Leases, &c.</p> <p>VI. Tables for the Valuation of LIFE ANNUITIES, at £3, 3½, 4, 5 and 6 <i>per Cent.</i> with their Logarithmical and Arithmetical Application in solving several curious Problems.</p> <p>VII. A new Set of Tables contrived for Quarterly and Half Yearly Payments, adapted to the above Tables, &c.</p> |
|---|---|

By **BENJAMIN WEBB,** *K*

Writing Master and Accountant, and Master of the Free Grammar
 School belonging to the Worshipful Company of

HABERDASHERS in *Bunhill-Row* ; and

Author of the **TABLES** for **BUYING** and **SELLING STOCKS**.

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TO THE HONOURABLE
BARTHOLOMEW BURTON, Esq;
GOVERNOR;
ROBERT MARSH, Esq;
DEPUTY GOVERNOR;
AND
Court of DIRECTORS of the Bank of *England*;

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JOHN SARGENT, Esq;	EDMOND WILCOX, Esq;

GENTLEMEN,

THE Interest of Money being a Matter wherein the Inhabitants of this extensively trading and wealthy Island in general, but more particularly the mercantile Part of them, are

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more or less concerned, and a Branch wherein the BANK of *England* is more immediately engaged, I flatter myself that every Attempt towards an Improvement in Calculations of Tables for this Purpose will meet with your Honours Encouragement: a full Persuasion of this induced me to lay this small Performance before your Honours for your kind Approbation and Acceptance, not in the least doubting, under your Sanction, of its being well received by the Public. I am,

GENTLEMEN,

With Respect and due Deference,

Your Honours most Obedient,

and most Humble Servant,

Grammar-School,
Bunhill-Row,
March 25, 1762.

Benjamin Webb.



THE
P R E F A C E.

THE Number of Books of SIMPLE and COMPOUND INTEREST which are already extant, should, one would imagine, have so exhausted the Subject as to leave scarce any room for Improvement, and notwithstanding the Labours of the many ingenious Authors who have treated on this Branch of Arithmetic, have produced so many valuable Performances, yet, as their Calculations have been confined to certain stated Rates, and, most of them made for too short a Time to render them of general Use, even to a nice Calculator, much less to Persons not versed in Figures, none of them have fully answered the End, it may be supposed, they were designed for, and in many Cases will not, nor from the Nature of them can, without much Labour, produce an exact Answer.

This being the Case in regard to SIMPLE INTEREST, I was induced to attempt such a Set of Tables as might in all Cases with the greatest
Exact-

Exactness and Ease answer all the Purposes of more extensive and voluminous ones; and this, I hope, I may without Vanity venture to say, the following concise Set, adapted to the Size of a small Pocket Book, though calculated for every Day in the Year, will perform to Satisfaction, if not beyond Expectation; for in order to render them universal, nothing more is required than to multiply your Sum by the Number of half Pounds contained in the given Rate of Interest, and you have the Answer in Pence and the decimal Parts of a Penny, which there are few but can easily reduce into Shillings and Pounds.

And farther, as in most Tables of SIMPLE INTEREST which are constructed on a decimal Plan, the Calculation is made only for one Pound, and therefore to solve Questions in common, recourse must be had to Multiplication, these are already calculated for any Sum that can happen, without multiplying by the given Sum, and the Numbers are so contrived, that the true Answer may be obtained with the utmost certitude from one Penny to 900.000.000 Pounds. And to prevent any manner of Trouble or Confusion in computing the Number of Places to be taken out, I have distinguished each Article with its proper Numerical Character, being those of the common Numeration Table inverted, *viz.* u x c r x c, which I flatter myself will not only be deemed a very agreeable Improvement, but an useful Discovery in the Application

Application of Decimal Numbers to the Purposes of Business in general.

And after the same manner I have proceeded with the Tables of COMPOUND INTEREST, which are calculated for any Sum at the more common Rates of Interest, *viz.* £3, 4 and 5 $\frac{1}{4}$ Cent. yearly Payments, the Explanation and Use of them in the Solution of several Problems, the Cases of Annuities, and Freeholds in Reversion, are more immediately shewn in Pages 117, &c. but in the Tables for other Rates of Interest, the Calculation is made for one Pound only, shewing their Application in making Tables of Fines, &c. the Renewing and Purchasing of Leases, and in order to render these Tables more extensive and useful, there is added a new Set of Tables calculated on the above Plan for Quarterly and Half Yearly Payments, and likewise for shewing the Value of One Quarter, One Half, and Three Quarters of a Year's Annuity, Rent, Pension, or Sum forborn, distinguished with Numerical Characters to the left as well as the right Hand, for the x on the left Hand of the v denotes the Tenth of a Pound, and the c the Hundredth Part of a Pound, as appears very evident in the Application of them, Pages 102, 103, 104 and 105. For the Satisfaction of the ingenious Reader is laid down the Method of constructing the same. And lastly, to make this Part of the Performance more complete, are added Tables for finding the superficial Content of any Piece of Ground, Building, &c. in square Feet, Yards and Acres.

As it will be necessary to say something in regard to the Tables of LIFE ANNUITIES, I shall do it in as concise a manner as possible. In the first place then I must acquaint the Reader, that these Tables are calculated on the same Principles as those done by most other Authors, only with this Difference, (or Advantage, might I be admitted the Expression) that these are deduced from Thirty Years Observations on the Bills of Mortality from the Year 1731, to the Year 1761, consequently a more exact Medium is thereby obtained than from a shorter Time. And in the Calculation of them I have endeavoured to make them the more exact, having carried them to three Places of Decimals, shewing the Method of calculating the same for One Life, Two, Three or more joint Lives, &c. and in the Application of them have laid down the most easy and familiar Rules I could meet with, so that nothing more than the Knowledge of common Arithmetic is required in the Solution of most of the Problems, and in those where a Logarithmical Solution has been necessary to shorten the Work, I have endeavoured to express myself as clearly as possible.

Lastly, for the Reader's farther Satisfaction I have re-calculated those excellent Tables of Mr ABRAHAM DE MOIVRE, with the Advantage of having carried them to three Places of Decimals, and not only corrected the few Errors I met with, but for the Computist's Convenience have annexed a Table of Logarithms adapted to his Tables,

bles, with the common and hyperbolical Logarithms to the Rates of £ 3, $3\frac{1}{2}$, 4, 5 and 6 $\frac{1}{2}$ Cent. and for the Accommodation of those unacquainted with the Use of the Logarithmical Canon, I have contrived a Method to construct new Universal Monomial Theorems, whereby the Amount of any Sum, or Annuity for Yearly, Half Yearly, and Quarterly Payments, may be calculated for any Rate of Interest.

Thus having endeavoured to give the Contents of the following Pages in as concise and explicit a manner as possible, I submit them, being the Produce of no small Pains and Labour, to the Candor of the impartial Reader.





INTRODUCTION.

HAVING had frequent Recourse to the Use of Decimal Fractions in the Solution of several Problems, &c. in the following Pages, it may not be amiss to premise something by way of Introduction, for the Sake of those unacquainted with that excellent Species of Arithmetic.

NOTATION of DECIMALS.

9	8	7	6	5	4	3	2	1.	1	2	3	4	5,	&c.
C	X	C	X	H	T	U	T		H	T	H			
Millions.	Millions.	Thousands.	Thousands.	Hundreds.	Tens.	Units.	Tenths.		Hundred Thousandths.	Ten Thousandths.	Thousandths.	Hundredths.		

From the above Scheme it is evident that as whole Numbers increase by Tens from the Units Place towards the left Hand, so in Decimals they decrease in a tenfold Proportion towards the right Hand.

A decimal Fraction hath always a common Number for its Numerator, and a decimal Number for its Denominator.

A decimal Number is known by Unity with one or more Cyphers standing before it, as 10. 100. 1000. &c.

A decimal Fraction is known from a whole Number by a Point or Comma whether it stands alone or be joined with whole Numbers, as

.123 1.23 12.3 123.

In decimal Fractions the Numerator only is set down, the Denominator being known by the last Figure in the Numerator.

EXAMPLE I.

.5 is Five Tenths.

.25 is Twenty five Hundredths.

.125 is One Hundred and twenty five Thousandths, &c.

As

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As Cyphers before a whole Number do not increase its Value, so Cyphers after a Decimal Number are of no Signification, but Cyphers before a Decimal Fraction are of singular Consequence; for as Cyphers after a whole Number do increase it in a tenfold Proportion, so Cyphers before a Decimal Fraction do decrease its Value in a tenfold Proportion.

EXAMPLE II.

.5 Tenths.
 .05 Five Hundredths.
 .005 Five Thousandths.
 .0005 Five Ten Thousandths.

Here it is evident that each Cypher added removes the Fraction farther from Unity ten Times, making it at each Removal ten Times less than it was before.

A D D I T I O N.

Addition of Decimals is performed after the same manner as Addition of whole Numbers, due regard being had to the placing of them, *viz.* whole Numbers under whole Numbers, Tenths under Tenths, Hundredths under Hundredths, &c.

EXAMPLES.

5.875	* 0.3275
3.6735	0.8375
16.1111	16.3235
25.6596	0.0075
	17.496

* If any Number be purely decimal, it is usual to put a Cypher in Unit's Place of Integers.

S U B T R A C T I O N.

The same Regard must be had to placing your Figures as in Addition.

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EXAMPLES.

From 8.375 take 2.378625	
Thus,	Again,
8.375	From 1.
<u>2.378625</u>	Take <u>0.182375</u>
Remains <u>5.996375</u>	Remains <u>0.817625</u>

MULTIPLICATION.

This is performed after the same manner as in common Arithmetic, regard being had to pointing off the Value of the Product. To do which observe this general Rule, when your Work is ended you must point off to the right Hand just as many Places as there are Decimals in the Multiplicand and Multiplier.

EXAMPLE I.

Multiply 52.5 by 3.75

$$\begin{array}{r}
 52.5 \\
 3.75 \\
 \hline
 2625 \\
 3675 \\
 1575 \\
 \hline
 \text{Product } 196.875
 \end{array}$$

Here I point off three Figures, because there are three Places of Decimals in the Multiplicand and Multiplier, *viz.* one in the Multiplicand and two in the Multiplier.

EXAMPLE II.

Multiply 0.7525 by 0.0025

$$\begin{array}{r}
 0.7525 \\
 0.0025 \\
 \hline
 37625 \\
 15050 \\
 \hline
 188125
 \end{array}$$

Answer, * .00188125

* I add two Cyphers to make out the eight Places in the Multiplicand and Multiplier.

DIVISION.

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DIVISION.

Division of Decimals is performed by one general Rule.

Divide the same as in whole Numbers, and when your Division is ended, count how many Places there are in your Dividend, then just so many Places of Decimals you must have in your Divisor and Quotient taken together, this being the Converse of Multiplication.

See Multiplication.

EXAMPLE I.

<i>Divisor.</i>	<i>Dividend.</i>	<i>Quotient</i>
52.5)	196.875	(3.75
	1575	
	3937	
	3675	
	2625	
	2625	

EXAMPLE II.

<i>Divisor.</i>	<i>Dividend.</i>	<i>Quotient.</i>
0.7525)	.00188125	(.0025
	15050	
	37625	
	37625	

In the first Example, because there are three Places of Decimals in the Dividend, I point off two Places in the Quotient, and the one Place before pointed off in the Divisor make three; and in Example the second, because I had not Decimal Places enough in the Quotient I add two Cyphers.

To Value the Decimal of a Pound sterling.

Let it be required to Value the Decimal of a Pound 0.988

Multiplied by 20

s. 19.76	
By 12	
d. 9.12	

Answer, 19s. 9d.

To

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To find a Decimal answering to any Sum, see the Table at the End of the Book. Seek the Decimal of 18s. and you will find against it 900 Parts, or .9, then for the remaining 1s. 9d. you will find against it .088, these added together give the Answer.

.900

.088

.988 as before.

To find the Value of a Decimal may be done by Inspection thus,

Double the first Figure and call it so many Shillings, and if the next Figure is 5 for it add 1 Shilling, or if above 5 add 1 Shilling, and call the Remainder so many Tens, adding thereto the next Figure and call this last Sum so many Farthings, remembering to abate 1 if 25 or its excess, and 2 if above 48.

EXAMPLE.

What is the Value of the Decimal .775 of a Pound?

Here I double the first Figure 7 and its Product is 14s. the next Figure to it being 7 I add 1 Shilling for it because it is above 5, and the Excess 2 I call so many Tens, and adding thereto the next Figure 5 it makes in all 25, therefore abating 1 it leaves 24 Farthings, or 6d, thus the Value of the Decimal .775 is 15s. 6d.

EXPLANATION of the SIGNS.

+ is the Sign of Addition.

— is the Sign of Subtraction.

× is the Sign of Multiplication.

÷ is the Sign of Division.

= is the Sign of Equality.



AN
UNIVERSAL
TABLE
OF
SIMPLE INTEREST,
AT

£ $\frac{1}{2}$, per Cent. from 1 to 366 Days, &c.

TABLE I - SIMPLE INTEREST

Principal	Rate	Time	Interest	Amount
100	6	1	6	106
100	6	2	12	112
100	6	3	18	118
100	6	4	24	124
100	6	5	30	130
100	6	6	36	136
100	6	7	42	142
100	6	8	48	148
100	6	9	54	154
100	6	10	60	160
100	6	11	66	166
100	6	12	72	172
100	6	13	78	178
100	6	14	84	184
100	6	15	90	190
100	6	16	96	196
100	6	17	102	202
100	6	18	108	208
100	6	19	114	214
100	6	20	120	220
100	6	21	126	226
100	6	22	132	232
100	6	23	138	238
100	6	24	144	244
100	6	25	150	250
100	6	26	156	256
100	6	27	162	262
100	6	28	168	268
100	6	29	174	274
100	6	30	180	280
100	6	31	186	286
100	6	32	192	292
100	6	33	198	298
100	6	34	204	304
100	6	35	210	310
100	6	36	216	316
100	6	37	222	322
100	6	38	228	328
100	6	39	234	334
100	6	40	240	340
100	6	41	246	346
100	6	42	252	352
100	6	43	258	358
100	6	44	264	364
100	6	45	270	370
100	6	46	276	376
100	6	47	282	382
100	6	48	288	388
100	6	49	294	394
100	6	50	300	400
100	6	51	306	406
100	6	52	312	412
100	6	53	318	418
100	6	54	324	424
100	6	55	330	430
100	6	56	336	436
100	6	57	342	442
100	6	58	348	448
100	6	59	354	454
100	6	60	360	460
100	6	61	366	466
100	6	62	372	472
100	6	63	378	478
100	6	64	384	484
100	6	65	390	490
100	6	66	396	496
100	6	67	402	502
100	6	68	408	508
100	6	69	414	514
100	6	70	420	520
100	6	71	426	526
100	6	72	432	532
100	6	73	438	538
100	6	74	444	544
100	6	75	450	550
100	6	76	456	556
100	6	77	462	562
100	6	78	468	568
100	6	79	474	574
100	6	80	480	580
100	6	81	486	586
100	6	82	492	592
100	6	83	498	598
100	6	84	504	604
100	6	85	510	610
100	6	86	516	616
100	6	87	522	622
100	6	88	528	628
100	6	89	534	634
100	6	90	540	640
100	6	91	546	646
100	6	92	552	652
100	6	93	558	658
100	6	94	564	664
100	6	95	570	670
100	6	96	576	676
100	6	97	582	682
100	6	98	588	688
100	6	99	594	694
100	6	100	600	700

TABLE I. SIMPLE INTEREST at $\text{£}\frac{1}{2}\%$ Cent. p Ann. 1

1 Day.		2 Days.		3 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	0029589041	9	0059178082	9	0088767123
8	0026301369	8	0052602739	8	0078904109
7	0023013698	7	0046027397	7	0069041095
6	0019726027	6	0039452054	6	0059178082
5	0016438356	5	0032876712	5	0049315068
4	0013150684	4	0026301369	4	0039452054
3	0009863013	3	0019726027	3	0029589041
2	0006575342	2	0013150684	2	0019726027
1	0003287671	1	0006575342	1	0009863013
1s	0000164383	1s	0000328767	1s	0000493150
1d	0000013698	1d	0000027397	1d	0000041095
4 Days.		5 Days.		6 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	0118356164	9	0147945205	9	0177534246
8	0105205479	8	0131506849	8	0157808219
7	0092054794	7	0115068493	7	0138082191
6	0078904109	6	0098630136	6	0118356164
5	0065753424	5	0082191780	5	0098630136
4	0052602739	4	0065753424	4	0078904109
3	0039452054	3	0049315068	3	0059178082
2	0026301369	2	0032876712	2	0039452054
1	0013150684	1	0016438356	1	0019726027
1s	0000657534	1s	0000821917	1s	0000986301
1d	0000054794	1d	0000068493	1d	0000082191
7 Days.		8 Days.		9 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	0207123287	9	0236712328	9	0266301369
8	0184109589	8	0210410958	8	0236712328
7	0161095890	7	0184109589	7	0207123287
6	0138082191	6	0157808219	6	0177534246
5	0115068493	5	0131506849	5	0147945205
4	0092054795	4	0105205479	4	0118356164
3	0069041095	3	0078904109	3	0088767123
2	0046027397	2	0052602739	2	0059178082
1	0023013698	1	0026301369	1	0029589041
1s	0001150684	1s	0001315068	1s	0001479452
1d	0000095890	1d	0000109589	1d	0000123287

SIMPLE INTEREST TABLE.

10 Days.		11 Days.		12 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	0295890410	9	0325479452	9	0355068493
8	0263013698	8	0289315068	8	0315616438
7	0230136986	7	0253150684	7	0276164383
6	0197260273	6	0216986301	6	0236712328
5	0164383561	5	0180821917	5	0197260273
4	0131506849	4	0144657534	4	0157808219
3	0098630136	3	0108493150	3	0118356164
2	0065753424	2	0072328767	2	0078904109
1	0032876712	1	0036164883	1	0039452054
1s	0001643835	1s	0001808219	1s	0001972602
1d	0000136986	1d	0000150684	1d	0000164383
13 Days.		14 Days.		15 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	0384657534	9	0414246575	9	0443835616
8	0341917808	8	0368219178	8	0394520547
7	0299178082	7	0322191780	7	0345205479
6	0256438356	6	0276164383	6	0295890410
5	0213698630	5	0230136986	5	0246575342
4	0170958904	4	0184109589	4	0197260273
3	0128219178	3	0138082191	3	0147945205
2	0085479452	2	0092054794	2	0098630136
1	0042739726	1	0046027397	1	0049315068
1s	0002136986	1s	0002301369	1s	0002465753
1d	0000178082	1d	0000191780	1d	0000205479
16 Days.		17 Days.		18 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	0473424657	9	0503013698	9	0532602739
8	0420821917	8	0447123287	8	0473424657
7	0368219178	7	0391232876	7	0414246575
6	0315616438	6	0335342465	6	0355068493
5	0263013698	5	0279452054	5	0295890410
4	0210410958	4	0223561643	4	0236712328
3	0157808219	3	0167671232	3	0177534246
2	0105205479	2	0111780821	2	0118356164
1	0052602739	1	0055890410	1	0059178082
1s	0002630136	1s	0002794520	1s	0002958904
1d	0000219178	1d	0000232876	1d	0000246575

TABLE I. at $\text{£} \frac{1}{2}$ Cent. Ann.

3

19 Days.			20 Days.			21 Days.		
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.			
9	0562191780	9	0591780821	9	0621369863			
8	0499726027	8	0526027397	8	0552328767			
7	0437260273	7	0460273972	7	0483287671			
6	0374794520	6	0394520547	6	0414246575			
5	0312328767	5	0328767123	5	0345205479			
4	0249863013	4	0263013698	4	0276164383			
3	0187397260	3	0197260273	3	0207123287			
2	0124931506	2	0131506849	2	0138082191			
1	0062465753	1	0065753424	1	0069041095			
1s	0003123287	1s	0003287671	1s	0003452054			
1d	0000260273	1d	0000273972	1d	0000287671			
22 Days.			23 Days.			24 Days.		
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.			
9	0650958904	9	0680547945	9	0710136986			
8	0578630136	8	0604931506	8	0631232876			
7	0506301369	7	0529315068	7	0552328767			
6	0433972602	6	0453698630	6	0473424657			
5	0361643835	5	0378082191	5	0394520547			
4	0289315068	4	0302465753	4	0315616438			
3	0216986301	3	0226849315	3	0236712328			
2	0144657534	2	0151232876	2	0157808219			
1	0072328767	1	0075616438	1	0078904109			
1s	0003616438	1s	0003780821	1s	0003945205			
1d	0000301369	1d	0000315068	1d	0000328767			
25 Days.			26 Days.			27 Days.		
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.			
9	0739726027	9	0769315068	9	0798904109			
8	0657534246	8	0683835616	8	0710136986			
7	0575342465	7	0598356164	7	0621369863			
6	0493150684	6	0512876712	6	0532602739			
5	0410958904	5	0427397260	5	0443835616			
4	0328767123	4	0341917808	4	0355068493			
3	0246575342	3	0256438356	3	0266301369			
2	0164383561	2	0170958904	2	0177534246			
1	0082191780	1	0085479452	1	0088767123			
1s	0004109589	1s	0004273972	1s	0004438356			
1d	0000342465	1d	0000356164	1d	0000369863			

SIMPLE INTEREST TABLE I.

28 Days.		29 Days.		30 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	0828493150	9	0858082191	9	0887671232
8	0736438356	8	0762739726	8	0789041095
7	0644383561	7	0667397260	7	0690410958
6	0552328767	6	0572054794	6	0591780821
5	0460273972	5	0476712328	5	0493150684
4	0368219178	4	0381369863	4	0394520547
3	0276164383	3	0286027397	3	0295890410
2	0184109589	2	0190684931	2	0197260273
1	0092054794	1	0095342465	1	0098630136
1s	0004602739	1s	0004767123	1s	0004931506
1d	0000383561	1d	0000397260	1d	0000410958
31 Days.		32 Days.		33 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	0917260273	9	0946849315	9	0976438356
8	0815342465	8	0841643835	8	0867945205
7	0713424657	7	0736438356	7	0759452054
6	0611506849	6	0631232876	6	0650958904
5	0509589041	5	0526027397	5	0542465753
4	0407671232	4	0420821917	4	0433972602
3	0305753424	3	0315616438	3	0325479452
2	0203835616	2	0210410958	2	0216986301
1	0101917808	1	0105205479	1	0108493150
1s	0005095890	1s	0005260273	1s	0005424657
1d	0000424657	1d	0000438356	1d	0000452054
34 Days.		35 Days.		36 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	1006027397	9	1035616438	9	1065205479
8	0894246575	8	0920547945	8	0946849315
7	0782465753	7	0805479452	7	0828493150
6	0670684931	6	0690410958	6	0710136986
5	0558904109	5	0575342465	5	0591780821
4	0447123287	4	0460273972	4	0473424657
3	0335342465	3	0345205479	3	0355068493
2	0223561643	2	0230136986	2	0236712328
1	0111780321	1	0115068493	1	0118356164
1s	0005535041	1s	0005753424	1s	0005917808
1d	0000465753	1d	0000479452	1d	0000493150

TABLE I. at £ $\frac{1}{2}$ $\text{\textcircled{P}}$ Cent. $\text{\textcircled{P}}$ Ann.

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37 Days.		38 Days.		39 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	1094794520	9	1124383561	9	1153972602
8	0973150684	8	0999452054	8	1025753424
7	0851506849	7	0874520547	7	0897534246
6	0729863013	6	0749589041	6	0769315068
5	0608219178	5	0624657534	5	0641095890
4	0486575342	4	0499726027	4	0512876712
3	0364931506	3	0374794520	3	0384657534
2	0243287671	2	0249863013	2	0256438356
1	0121643835	1	0124931506	1	0128219178
1s	0006082191	1s	0006246575	1s	0006410958
1d	0000506849	1d	0000520547	1d	0000534246
40 Days.		41 Days.		42 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	1183561643	9	1213150684	9	1242739726
8	1052054794	8	1078356164	8	1104657534
7	0920547945	7	0943561643	7	0966575342
6	0789041095	6	0808767123	6	0828493150
5	0657534246	5	0673972602	5	0690410958
4	0526027397	4	0539178082	4	0552328767
3	0394520547	3	0404383561	3	0414246575
2	0263013698	2	0269589041	2	0276164383
1	0131506849	1	0134794520	1	0138082191
1s	0006575342	1s	0006739726	1s	0006904109
1d	0000547945	1d	0000561643	1d	0000575342
43 Days.		44 Days.		45 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	1272328767	9	1301917808	9	1331506849
8	1130958904	8	1157260273	8	1183561643
7	0989589041	7	1012602739	7	1035616438
6	0848219178	6	0867945205	6	0887671232
5	0706849315	5	0723287671	5	0739726027
4	0565479452	4	0578630136	4	0591780821
3	0424109589	3	0433972602	3	0443835616
2	0282739726	2	0289315068	2	0295890410
1	0141369863	1	0144657534	1	0147945205
1s	0007068493	1s	0007232876	1s	0007397260
1d	0000589041	1d	0000602739	1d	0000616438

46 Days.		47 Days.		48 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	1361095890	9	1390684931	9	1420273972
8	1209863013	8	1236164383	8	1262465753
7	1058630136	7	1081643835	7	1104657534
6	0907397260	6	0927123287	6	0946849315
5	0756164383	5	0772602739	5	0789041095
4	0604931506	4	0618082191	4	0631232876
3	0453698630	3	0463561643	3	0473424657
2	0302465753	2	0309041095	2	0315616438
1	0151232876	1	0154520547	1	0157808219
1s	0007561643	1s	0007726027	1s	0007890410
1d	0000630136	1d	0000643835	1d	0000657534
49 Days.		50 Days.		51 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	1449863013	9	1479452054	9	1509041095
8	1288767123	8	1315068493	8	1341369863
7	1127671232	7	1150684931	7	1173698630
6	0966575342	6	0986301369	6	1006027397
5	0805479452	5	0821917808	5	0838356164
4	0644383561	4	0657534246	4	0670684931
3	0483287671	3	0493150684	3	0503013698
2	0322191780	2	0328767123	2	0335342465
1	0161095890	1	0164383561	1	0167671232
1s	0008054794	1s	0008219178	1s	0008383561
1d	0000671232	1d	0000684931	1d	0000698630
52 Days.		53 Days.		54 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	1538630136	9	1568219178	9	1597808219
8	1367671232	8	1393972602	8	1420273972
7	1196712328	7	1219726027	7	1242739726
6	1025753424	6	1045479452	6	1065205479
5	0854794520	5	0871232876	5	0887671232
4	0683835616	4	0696986301	4	0710136986
3	0512876712	3	0522739726	3	0532602739
2	0341917808	2	0348493150	2	0355068493
1	0170958904	1	0174246575	1	0177534246
1s	0008547945	1s	0008712327	1s	0008876712
1d	0000712328	1d	0000726027	1d	0000739726

TABLE I. at £ $\frac{1}{2}$ Cent. Ann.

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55 Days.		56 Days.		57 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	1627397260	9	1656986301	9	1686575342
8	1446575342	8	1472876712	8	1499178082
7	1265753424	7	1288767123	7	1311780821
6	1084931506	6	1104657534	6	1124383561
5	0904109589	5	0920547945	5	0936986301
4	0723287671	4	0736438356	4	0749589041
3	0542465753	3	0552328767	3	0562191780
2	0361643835	2	0368219178	2	0374794520
1	0180821917	1	0184109589	1	0187397260
1s	0009041095	1s	0009205479	1s	0009369863
1d	0000753424	1d	0000767123	1d	0000780821
58 Days.		59 Days.		60 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	1716164383	9	1745753424	9	1775342465
8	1525479452	8	1551780821	8	1578082191
7	1334794520	7	1357808219	7	1380821917
6	1144109589	6	1163835616	6	1183561643
5	0953424657	5	0969863013	5	0986301369
4	0762739726	4	0775890410	4	0789041095
3	0572054794	3	0581917808	3	0591780821
2	0381369863	2	0387945205	2	0394520547
1	0190684931	1	0193972602	1	0197260273
1s	0009534246	1s	0009698630	1s	0009863013
1d	0000794520	1d	0000808219	1d	0000821917
61 Days.		62 Days.		63 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	1804931506	9	1834520547	9	1864109589
8	1604383561	8	1630684931	8	1656986301
7	1403835616	7	1426849315	7	1449863013
6	1203287671	6	1223013698	6	1242739726
5	1002739726	5	1019178082	5	1035616438
4	0802191780	4	0815342465	4	0828493150
3	0601643835	3	0611506849	3	0621369863
2	0401095890	2	0407671232	2	0414246575
1	0200547945	1	0203835616	1	0207123287
1s	0010027397	1s	0010191780	1s	0010356164
1d	0000835616	1d	0000849315	1d	0000863013

64 Days.		65 Days.		66 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	1893698630	9	1923287671	9	1952876712
8	1683287671	8	1709589041	8	1735890410
7	1472876712	7	1495890410	7	1518904109
6	1262465753	6	1282191780	6	1301917808
5	1052054794	5	1068493150	5	1084931506
4	0841643835	4	0854794520	4	0867945205
3	0631232876	3	0641095890	3	0650958904
2	0420821917	2	0427397260	2	0433972602
1	0210410958	1	0213698630	1	0216986301
1s	0010520547	1s	0010684931	1s	0010849315
1d	0000876712	1d	0000890410	1d	0000904109
67 Days.		68 Days.		69 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	1982465753	9	2012054794	9	2041643835
8	1762191780	8	1788493150	8	1814794520
7	1541917808	7	1564931506	7	1587945205
6	1321643835	6	1341369863	6	1361095890
5	1101369863	5	1117808219	5	1134246575
4	0881095890	4	0894246575	4	0907397260
3	0660821917	3	0670684931	3	0680547945
2	0440547945	2	0447123287	2	0453698630
1	0220273972	1	0223561643	1	0226849315
1s	0011013698	1s	0011178082	1s	0011342465
1d	0000917808	1d	0000931506	1d	0000945205
70 Days.		71 Days.		72 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	2071232876	9	2100821917	9	2130410958
8	1841095890	8	1867397260	8	1893698630
7	1610958904	7	1633972602	7	1656986301
6	1380821917	6	1400547945	6	1420273972
5	1150684931	5	1167123287	5	1183561643
4	0920547945	4	0933698630	4	0946849315
3	0690410958	3	0700273972	3	0710136986
2	0460273972	2	0466849315	2	0473424657
1	0230136986	1	0233424657	1	0236712328
1s	0011506849	1s	0011671232	1s	0011835616
1d	0000958904	1d	0000972602	1d	0000986301

TABLE I. at $\text{£} \frac{1}{2}$ Cent. Ann.

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73 Days.		74 Days.		75 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	2160000000	9	2189589041	9	2219178082
8	1920000000	8	1946301369	8	1972602739
7	1680000000	7	1703013698	7	1726027397
6	1440000000	6	1459726027	6	1479452054
5	1200000000	5	1216438356	5	1232876712
4	0960000000	4	0973150684	4	0986301369
3	0720000000	3	0729863013	3	0739726027
2	0480000000	2	0486575342	2	0493150684
1	0240000000	1	0243287671	1	0246575342
1s	0012000000	1s	0012164383	1s	0012328767
1d	0001000000	1d	0001013698	1d	0001027397
76 Days.		77 Days.		78 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	2248767123	9	2278356164	9	2307945205
8	1998904109	8	2025205479	8	2051506849
7	1749041095	7	1772054794	7	1795068493
6	1499178082	6	1518904109	6	1538630136
5	1249315068	5	1265753424	5	1282191780
4	0999452054	4	1012602739	4	1025753424
3	0749589041	3	0759452054	3	0769315068
2	0499726027	2	0506301369	2	0512876712
1	0249863013	1	0253150684	1	0256438356
1s	0012493150	1s	0012657534	1s	0012821917
1d	0001041095	1d	0001054794	1d	0001068493
79 Days.		80 Days.		81 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	2337534246	9	2367123287	9	2396712328
8	2077808219	8	2104109589	8	2130410958
7	1818082191	7	1841095890	7	1864109589
6	1558356164	6	1578082191	6	1597808219
5	1298630136	5	1315068493	5	1331506849
4	1038904109	4	1052054794	4	1065205479
3	0779178082	3	0789041095	3	0798904109
2	0519452054	2	0526027397	2	0532602739
1	0259726027	1	0263013698	1	0266301369
1s	0012986301	1s	0013150684	1s	0013315068
1d	0001082191	1d	0001095890	1d	0001109589

10 SIMPLE INTEREST TABLE F.

82 Days.		83 Days.		84 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	2426301369	9	2455890410	9	2485479452
8	2156712328	8	2183013698	8	2209315068
7	1887123287	7	1910136986	7	1933150684
6	1617534246	6	1637260273	6	1656986301
5	1347945205	5	1364383561	5	1380821917
4	1078356164	4	1091506849	4	1104657534
3	0808767123	3	0818630136	3	0828493150
2	0539178082	2	0545753424	2	0552328767
1	0269589041	1	0272876712	1	0276164383
1s	0013479452	1s	0013643835	1s	0013808219
1d	0001123287	1d	0001136986	1d	0001150684
85 Days.		86 Days.		87 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	2515068493	9	2544657534	9	2574246575
8	2235616438	8	2261917808	8	2288219178
7	1956164383	7	1979178082	7	2002191780
6	1676712328	6	1696438356	6	1716164383
5	1397260273	5	1413698630	5	1430136986
4	1117808219	4	1130958904	4	1144109539
3	0838356164	3	0848219178	3	0858082191
2	0558904109	2	0565479452	2	0572054794
1	0279452054	1	0282739726	1	0286027397
1s	0013972602	1s	0014136986	1s	0014301369
1d	0001164383	1d	0001178082	1d	0001191780
88 Days.		89 Days.		90 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	2603835616	9	2633424657	9	2663013698
8	2314520547	8	2340821917	8	2367123287
7	2025205479	7	2048219178	7	2071232876
6	1735890410	6	1755616438	6	1775342465
5	1446575342	5	1463013698	5	1479452054
4	1157260273	4	1170410958	4	1183561643
3	0867945205	3	0877808219	3	0887671232
2	0578630136	2	0585205479	2	0591780821
1	0289315068	1	0292602739	1	0295890410
1s	0014465753	1s	0014630136	1s	0014794520
1d	0001205479	1d	0001219178	1d	0001232876

TABLE I. at £ $\frac{1}{2}$ Cent. Ann.

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91 Days.		92 Days.		93 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	2692602739	9	2722191780	9	2751780821
8	2393424657	8	2419726027	8	2446027397
7	2094246575	7	2117260273	7	2140273972
6	1795068493	6	1814794520	6	1834520547
5	1495890410	5	1512328767	5	1528767123
4	1196712328	4	1209863013	4	1223013698
3	0897534246	3	0907397260	3	0917260273
2	0598356164	2	0604931506	2	0611506849
1	0299178082	1	0302465753	1	0305753424
1s	0014958904	1s	0015123287	1s	0015287671
1d	0001246575	1d	0001260273	1d	0001273972
94 Days.		95 Days.		96 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	2781369863	9	2810958904	9	2840547945
8	2472328767	8	2498630136	8	2524931506
7	2163287671	7	2186301369	7	2209315068
6	1854246575	6	1873972602	6	1893698630
5	1545205479	5	1561643835	5	1578082191
4	1236164383	4	1249315068	4	1262465753
3	0927123287	3	0936986301	3	0946849315
2	0618082191	2	0624657534	2	0631232876
1	0309041095	1	0312328767	1	0315616438
1s	0015452054	1s	0015616438	1s	0015780821
1d	0001287671	1d	0001301369	1d	0001315068
97 Days.		98 Days.		99 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	2870136986	9	2899726027	9	2929315068
8	2551232876	8	2577534246	8	2603835616
7	2232328767	7	2255342465	7	2278356164
6	1913424657	6	1933150684	6	1952876712
5	1594520547	5	1610958904	5	1627397260
4	1275616438	4	1288767123	4	1301917808
3	0956712328	3	0966575342	3	0976438356
2	0637808219	2	0644383561	2	0650958904
1	0318904109	1	0322191780	1	0325479452
1s	0015945205	1s	0016109589	1s	0016273972
1d	0001328767	1d	0001342465	1d	0001356164

SIMPLE INTEREST TABLE I.

100 Days.		101 Days.		102 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	2958904109	9	2988493150	9	3018082191
8	2630136986	8	2656438356	8	2682739726
7	2301369863	7	2324383561	7	2347397260
6	1972602739	6	1992328767	6	2012054794
5	1643835616	5	1660273972	5	1676712328
4	1315068493	4	1328219178	4	1341369863
3	0986301369	3	0996164383	3	1006027397
2	0657534246	2	0664109589	2	0670684931
1	0328767123	1	0332054794	1	0335342465
1s	0016438356	1s	0016602739	1s	0016767123
1d	0001369863	1d	0001383561	1d	0001397260
103 Days.		104 Days.		105 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	3047671232	9	3077260273	9	3106849315
8	2709041095	8	2735342465	8	2761643835
7	2370410958	7	2393424657	7	2416438356
6	2031780821	6	2051506849	6	2071232876
5	1693150684	5	1709589041	5	1726027297
4	1354520547	4	1367671232	4	1380821917
3	1015890410	3	1025753424	3	1035616438
2	0677260273	2	0683835616	2	0690410958
1	0338630136	1	0341917808	1	0345205479
1s	0016931506	1s	0017095890	1s	0017260273
1d	0001410958	1d	0001424657	1d	0001438356
106 Days.		107 Days.		108 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	3136438356	9	3166027397	9	3195616438
8	2787945205	8	2814246575	8	2840547945
7	2439452054	7	2462465753	7	2485479452
6	2090958904	6	2110684931	6	2130410958
5	1742465753	5	1758904109	5	1775342465
4	1393972602	4	1407123287	4	1420273972
3	1043479452	3	1055342465	3	1065205479
2	0696986301	2	0703561643	2	0710136986
1	0348493150	1	0351780821	1	0355068493
1s	0017424657	1s	0017589041	1s	0017753424
1d	0001452054	1d	0001465753	1d	0001479452

TABLE I. at $\text{£} \frac{1}{2}$ Cent. Ann.

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109 Days.		110 Days.		111 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	3225205479	9	3254794520	9	3284383561
8	2866849315	8	2893150684	8	2919452054
7	2508493150	7	2531506849	7	2554520547
6	2150136986	6	2169863013	6	2189589041
5	1791780821	5	1808219178	5	1824657534
4	1433424657	4	1446575342	4	1459726027
3	1075068493	3	1084931506	3	1094794520
2	0716712328	2	0723287671	2	0729863013
1	0358356164	1	0361643835	1	0364931506
1s	0017917808	1s	0018082191	1s	0018246575
1d	0001493150	1d	0001506849	1d	0001520547
112 Days.		113 Days.		114 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	3313972602	9	3343561643	9	3373150684
8	2945753424	8	2972054794	8	2998356164
7	2577534246	7	2600547945	7	2623561643
6	2209315068	6	2229041095	6	2248767123
5	1841095890	5	1857534246	5	1873972602
4	1472876712	4	1486027397	4	1499178082
3	1104657534	3	1114520547	3	1124383561
2	0736438356	2	0743013698	2	0749589041
1	0368219178	1	0371506849	1	0374794520
1s	0018410958	1s	0018575342	1s	0018739726
1d	0001534246	1d	0001547945	1d	0001561643
115 Days.		116 Days.		117 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	3402739726	9	3432328767	9	3461917808
8	3024657534	8	3050958904	8	3077260273
7	2646575342	7	2669589041	7	2692602739
6	2268493150	6	2288219178	6	2307945205
5	1890410958	5	1906849315	5	1923287671
4	1512328767	4	1525479452	4	1538863013
3	1134246575	3	1144109589	3	1153972602
2	0756164383	2	0762739726	2	0769315068
1	0378082191	1	0381369863	1	0384657534
1s	0018904109	1s	0019068493	1s	0019232876
1d	0001575342	1d	0001589041	1d	0001602739

14 SIMPLE INTEREST TABLE I.

118 Days.		119 Days.		120 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	3491506849	9	3521095890	9	3550684931
8	3103561643	8	3129863013	8	3156164383
7	2715616438	7	2738630136	7	2761643835
6	2327671232	6	2347397260	6	2367123287
5	1939726027	5	1956164383	5	1972602739
4	1551780821	4	1564931506	4	1578082191
3	1163835616	3	1173698630	3	1183561643
2	0775890410	2	0782465753	2	0789041095
1	0387945205	1	0391232876	1	0394520547
1s	0019397260	1s	0019561643	1s	0019726027
1d	0001616438	1d	0001630136	1d	0001643835
121 Days.		122 Days.		123 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	3580273972	9	3609863013	9	3639452054
8	2182465753	8	3208767123	8	3235068493
7	2784657534	7	2807671232	7	2830684931
6	2386849315	6	2406575342	6	2426301369
5	1989041095	5	2005479452	5	2021917808
4	1591232876	4	1604383561	4	1617534246
3	1193424657	3	1203287671	3	1213150684
2	0795616438	2	0802191780	2	0808767123
1	0397808219	1	0401095890	1	0404383561
1s	0019890410	1s	0020054794	1s	0020219178
1d	0001657534	1d	0001671232	1d	0001684931
124 Days.		125 Days.		126 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	3669041095	9	3698630136	9	3728219178
8	3261369863	8	3287671232	8	3313972602
7	2853698630	7	2876712328	7	2899726027
6	2446027397	6	2465753424	6	2485479452
5	2038356164	5	2054794520	5	2071232876
4	1630684931	4	1643835616	4	1656986301
3	1223013698	3	1232876712	3	1242739726
2	0815342465	2	0821917808	2	0828493150
1	0407671232	1	0410958904	1	0414246575
1s	0020383561	1s	0020547945	1s	0020712328
1d	0001698630	1d	0001712328	1d	0001726027

TABLE I. at £ $\frac{1}{2}$ p Cent. p Ann.

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127 Days.		128 Days.		129 Days.	
£	UXCTXC Pts.	£	UXCTXC Pts.	£	UXCTXC Pts.
9	3757808219	9	3787397260	9	3816986301
8	3340273972	8	3366575342	8	3392876712
7	2922739726	7	2945753424	7	2968767123
6	2505205479	6	2524931506	6	2544657534
5	2087671232	5	2104109589	5	2120547945
4	1670136986	4	1683287671	4	1696438356
3	1252602739	3	1262465753	3	1272328767
2	0835068493	2	0841643835	2	0848219178
1	0417534246	1	0420821917	1	0424109589
1s	0020876712	1s	0021041095	1s	0021205479
1d	0001739726	1d	0001753424	1d	0001767123
130 Days.		131 Days.		132 Days.	
£	UXCTXC Pts.	£	UXCTXC Pts.	£	UXCTXC Pts.
9	3846575342	9	3876164383	9	3905753424
8	3419178082	8	3445479452	8	3471780821
7	2991780821	7	3014794520	7	3037808219
6	2564383561	6	2584109589	6	2603835616
5	2136986301	5	2153424657	5	2169863013
4	1709589041	4	1722739726	4	1735890410
3	1282191780	3	1292054794	3	1301917808
2	0854794520	2	0861369863	2	0867945205
1	0427397260	1	0430684931	1	0433972602
1s	0021369863	1s	0021534246	1s	0021698630
1d	0001780822	1d	0001794520	1d	0001808219
133 Days.		134 Days.		135 Days.	
£	UXCTXC Pts.	£	UXCTXC Pts.	£	UXCTXC Pts.
9	3935342465	9	3964931506	9	3994520547
8	3498082191	8	3524383561	8	3550684931
7	3060821917	7	3083835616	7	3106849315
6	2623561643	6	2643287671	6	2663013698
5	2186301369	5	2202739726	5	2219178082
4	1749041095	4	1762191780	4	1775342465
3	1311780821	3	1321643835	3	1331506849
2	0874520547	2	0881095890	2	0887671232
1	0437260273	1	0440547945	1	0443835616
1s	0021863013	1s	0022027397	1s	0022191780
1d	0001821917	1d	0001835616	1d	0001849315

136 Days.		137 Days.		138 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	4024109589	9	4053698630	9	4083287671
8	3576986301	8	3603287671	8	3629589041
7	3129863013	7	3152876712	7	3175890410
6	2682739726	6	2702465753	6	2722191780
5	2235616438	5	2252054794	5	2268493150
4	1788493150	4	1801643835	4	1814794520
3	1341369863	3	1351232876	3	1361095890
2	0894246575	2	0900821917	2	0907397260
1	0447123287	1	0450410958	1	0453698630
1s	0022356164	1s	0022520547	1s	0022684931
1d	0001863013	1d	0001876712	1d	0001890410
139 Days.		140 Days.		141 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	4112876712	9	4142465753	9	4172054794
8	3655890410	8	3682191780	8	3708493150
7	3198904109	7	3221917808	7	3244931506
6	2741917808	6	2761643835	6	2781369863
5	2284931506	5	2301369863	5	2317808219
4	1827945205	4	1841095890	4	1854246575
3	1370958904	3	1380821917	3	1390684931
2	0913972602	2	0920547945	2	0927123287
1	0456986301	1	0460273972	1	0463561643
1s	0022849315	1s	0023013698	1s	0023178082
1d	0001904109	1d	0001917808	1d	0001931506
142 Days.		143 Days.		144 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	4201643835	9	4231232876	9	4260821917
8	3734794520	8	3761095890	8	3787397260
7	3267945205	7	3290958904	7	3313972602
6	2801095890	6	2820821917	6	2840547945
5	2334246575	5	2350684931	5	2367123287
4	1867397260	4	1880547945	4	1893698630
3	1400547945	3	1410410958	3	1420273972
2	0933698630	2	0940273972	2	0946849315
1	0466849315	1	0470136986	1	0473424657
1s	0023342465	1s	0023506849	1s	0023671232
1d	0001945205	1d	0001958904	1d	0001972602

TABLE I. at £ $\frac{1}{2}$ Cent. Ann.

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145 Days.		146 Days.		147 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	4290410958	9	4320000000	9	4349589041
8	3813698630	8	3840000000	8	3866301369
7	3336986301	7	3360000000	7	3383013698
6	2860273972	6	2880000000	6	2899726027
5	2383561643	5	2400000000	5	2416438356
4	1906849315	4	1920000000	4	1933150684
3	1430136986	3	1440000000	3	1449863013
2	0953424657	2	0960000000	2	0966575342
1	0476712328	1	0480000000	1	0483287671
1s	0023835616	1s	0024000000	1s	0024164383
1d	0001986301	1d	0002000000	1d	0002013698
148 Days.		149 Days.		150 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	4379178082	9	4408767123	9	4438356164
8	3892602739	8	3918904109	8	3945205479
7	3406027397	7	3429041095	7	3452054794
6	2919452054	6	2939178082	6	2958904109
5	2432876712	5	2449315068	5	2465753424
4	1946301369	4	1959452054	4	1972602739
3	1459726027	3	1469589041	3	1479452054
2	0973150684	2	0979726027	2	0986301369
1	0486575342	1	0489863013	1	0493150685
1s	0024328767	1s	0024493150	1s	0024657534
1d	0002027397	1d	0002041095	1d	0002054794
151 Days.		152 Days.		153 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	4467945205	9	4497534246	9	4527123287
8	3971506849	8	3997808219	8	4024109589
7	3475068493	7	3498082191	7	3521095890
6	2978630136	6	2998356164	6	3018082191
5	2482191780	5	2498630136	5	2515068493
4	1985753424	4	1998904109	4	2012054794
3	1489315068	3	1499178082	3	1509041095
2	0992876712	2	0999452054	2	1006027397
1	0496438356	1	0499726027	1	0503013698
1s	0024821917	1s	0024986301	1s	0025150684
1d	0002068493	1d	0002082191	1d	0002095890

18 SIMPLE INTEREST TABLE I.

154 Days.		155 Days.		156 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	4556712328	9	4586301369	9	4615890410
8	4050410958	8	4076712328	8	4103013698
7	3544109589	7	3567123287	7	3590136986
6	3037808219	6	3057534246	6	3077260273
5	2531506849	5	2547945205	5	2564383561
4	2025205479	4	2038356164	4	2051506849
3	1518904109	3	1528767123	3	1538630136
2	1012602739	2	1019178082	2	1025753424
1	0506301369	1	0509589041	1	0512876712
1s	0025315068	1s	0025479452	1s	0025643835
1d	0002109589	1d	0002123287	1d	0002136986
157 Days.		158 Days.		159 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	4645479452	9	4675068493	9	4704657534
8	4129315068	8	4155616438	8	4181917808
7	3613150684	7	3636164383	7	3659178082
6	3096986301	6	3116712328	6	3136438356
5	2580821917	5	2597260273	5	2613698630
4	2064657534	4	2077808219	4	2090958904
3	1548493150	3	1558356164	3	1568219178
2	1032328767	2	1038904109	2	1045479452
1	0516164383	1	0519452054	1	0522739726
1s	0025808219	1s	0025972602	1s	0026136986
1d	0002150684	1d	0002164383	1d	0002178082
160 Days.		161 Days.		162 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	4734246575	9	4763835616	9	4793424657
8	4208219178	8	4234520547	8	4260821917
7	3682191780	7	3705205479	7	3728219178
6	3156164383	6	3175890410	6	3195616438
5	2630136986	5	2646575342	5	2663013698
4	2104109589	4	2117260273	4	2130410958
3	1578082191	3	1587945205	3	1597808219
2	1052054794	2	1058630136	2	1065205479
1	0526027397	1	0529315068	1	0532602739
1s	0026301369	1s	0026465753	1s	0026630136
1d	0002191780	1d	0002205479	1d	0002219178

TABLE I. at $\text{£} \frac{1}{2}$ Cent. Ann.

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163 Days.		164 Days.		165 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	4823013698	9	4852602739	9	4882191780
8	4287123287	8	4313424657	8	4339726027
7	3751232876	7	3774246575	7	3797260273
6	3215342465	6	3235068493	6	3254794520
5	2679452054	5	2695890410	5	2712328767
4	2143561643	4	2156712328	4	2169863013
3	1607671232	3	1617534246	3	1627397260
2	1071780821	2	1078356164	2	1084931506
1	0535890410	1	0539178082	1	0542465753
1s	0026794520	1s	0026958904	1s	0027123287
1d	0002232876	1d	0002246575	1d	0002260273
166 Days.		167 Days.		168 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	4911780821	9	4941369863	9	4970958904
8	4366027397	8	4392328767	8	4418630136
7	3820273972	7	3843287671	7	3866301369
6	3274520547	6	3294246575	6	3313972602
5	2728767123	5	2745205479	5	2761643835
4	2183013698	4	2196164383	4	2209315068
3	1637260273	3	1647123287	3	1656986301
2	1091506849	2	1098082191	2	1104657534
1	0545753424	1	0549041095	1	0552328767
1s	0027287671	1s	0027452054	1s	0027616438
1d	0002273972	1d	0002287671	1d	0002301369
169 Days.		170 Days.		171 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	5000547945	9	5030136986	9	5059726027
8	4444931506	8	4471232876	8	4497534246
7	3889315068	7	3912328767	7	3935342465
6	3333698630	6	3353424657	6	3373150684
5	2778082191	5	2794520547	5	2810958904
4	2222465753	4	2235616438	4	2248767123
3	1666849315	3	1676712328	3	1686575342
2	1111232876	2	1117808219	2	1124383561
1	0555616438	1	0558904109	1	0562191780
1s	0027780821	1s	0027945205	1s	0028109589
1d	0002315068	1d	0002328767	1d	0002342465

172 Days.		173 Days.		174 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	5089315068	9	5118904109	9	5148493150
8	4523835616	8	4550136986	8	4576438356
7	3958356164	7	3981369863	7	4004383561
6	3392876712	6	3412602739	6	3432328767
5	2827397260	5	2843835616	5	2860273972
4	2261917808	4	2275068493	4	2288219178
3	1696438356	3	1706301369	3	1716164383
2	1130958904	2	1137534246	2	1144109589
1	0565479452	1	0568767123	1	0572054794
1s	0028273972	1s	0028438356	1s	0028602739
1d	0002356164	1d	0002369863	1d	0002383561
175 Days.		176 Days.		177 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	5178082191	9	5207671232	9	5237260273
8	4602739726	8	4629041095	8	4655342465
7	4027397260	7	4050410958	7	4073424657
6	3452054794	6	3471780821	6	3491506849
5	2876712328	5	2893150684	5	2909589041
4	2301369863	4	2314520547	4	2327671232
3	1726027397	3	1735890410	3	1745753424
2	1150684931	2	1157260273	2	1163835616
1	0575342465	1	0578630136	1	0581917808
1s	0028767123	1s	0028931506	1s	0029095890
1d	0002397260	1d	0002410958	1d	0002424657
178 Days.		179 Days.		180 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	5266849315	9	5296438356	9	5326027397
8	4681643835	8	4707945205	8	4734246575
7	4096438356	7	4119452054	7	4142465753
6	3511232876	6	3530958904	6	3550684931
5	2926027397	5	2942465753	5	2958904109
4	2340821917	4	2353972602	4	2367123287
3	1755616438	3	1765479452	3	1775342465
2	1170410958	2	1176986301	2	1183561643
1	0585205479	1	0588493150	1	0591780821
1s	0029260273	1s	0029424657	1s	0029589041
1d	0002438356	1d	0002452054	1d	0002465753

TABLE I. at £ $\frac{1}{2}$ $\text{\textcircled{P}}$ Cent. $\text{\textcircled{P}}$ Annu.

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181 Days.		182 Days.		183 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	5355616438	9	5385205479	9	5414794520
8	4760547945	8	4786849315	8	4813150684
7	4165479452	7	4188493150	7	4211506849
6	3570410958	6	3590136986	6	3609863013
5	2975342465	5	2991780821	5	3008219178
4	2380273972	4	2393424657	4	2406575342
3	1785205479	3	1795068493	3	1804931506
2	1190136986	2	1196712328	2	1203287671
1	0595068493	1	0598356164	1	0601643835
1s	0029753424	1s	0029917808	1s	0030082191
1d	0002479452	1d	0002493150	1d	0002506849
184 Days.		185 Days.		186 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	5444383561	9	5473972602	9	5503561643
8	4839452054	8	4865753424	8	4892054794
7	4234520547	7	4257534246	7	4280547945
6	3629589041	6	3649315068	6	3669041095
5	3024657534	5	3041095890	5	3057534246
4	2419726027	4	2432876712	4	2446027397
3	1814794520	3	1824657534	3	1834520547
2	1209863013	2	1216438356	2	1223013698
1	0604931506	1	0608219178	1	0611506849
1s	0030246575	1s	0030410958	1s	0030575342
1d	0002520547	1d	0002534246	1d	0002547945
187 Days.		188 Days.		189 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	5533150684	9	5562739726	9	5592328767
8	4918356164	8	4944657534	8	4970958904
7	4303561643	7	4326575342	7	4349589041
6	3688767123	6	3708493150	6	3728219178
5	3073972602	5	3090410958	5	3106849315
4	2459178082	4	2472328767	4	2485479452
3	1844383561	3	1854246575	3	1864109589
2	1229589041	2	1236164383	2	1242739726
1	0614794520	1	0618082191	1	0621369863
1s	0030739726	1s	0030904109	1s	0031068493
1d	0002561643	1d	0002575342	1d	0002589041

190 Days.		191 Days.		192 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	5621917808	9	5651506849	9	5681095890
8	4997260273	8	5023561643	8	5049863013
7	4372602739	7	4395616438	7	4418630136
6	3747945205	6	3767671232	6	3787397260
5	3123287671	5	3139726027	5	3156164383
4	2498630136	4	2511780821	4	2524931506
3	1873972602	3	1883835616	3	1893698630
2	1249315068	2	1255890410	2	1262465753
1	0624657534	1	0627945205	1	0631232876
1s	0031232876	1s	0031397260	1s	0031561643
1d	0002602739	1d	0002616438	1d	0002630136
193 Days.		194 Days.		195 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	5710684931	9	5740273972	9	5769863013
8	5076164383	8	5102465753	8	5128767123
7	4441643835	7	4464657534	7	4487671232
6	3807123287	6	3826849315	6	3846575342
5	3172602739	5	3189041095	5	3205479452
4	2538082191	4	2551232876	4	2564383561
3	1903561643	3	1913424657	3	1923287671
2	1269041095	2	1275616438	2	1282191780
1	0634520547	1	0637808219	1	0641095890
1s	0031726027	1s	0031890410	1s	0032054794
1d	0002643835	1d	0002657534	1d	0002671232
196 Days.		197 Days.		198 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	5799452054	9	5829041095	9	5858630136
8	5155068493	8	5181369863	8	5207671232
7	4510684931	7	4533698630	7	4556712328
6	3866301369	6	3886027397	6	3905753424
5	3221917808	5	3238356164	5	3254794520
4	2577534246	4	2590684931	4	2603835616
3	1933150684	3	1943013698	3	1952876712
2	1288767123	2	1295342465	2	1301917808
1	0644383561	1	0647671232	1	0650958904
1s	0032219178	1s	0032383561	1s	0032547945
1d	0002684931	1d	0002698630	1d	0002712328

TABLE I. at $\text{£} \frac{1}{2}$ Cent. Ann.

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199 Days.		200 Days.		201 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	5888219178	9	5917808219	9	5947397260
8	5233972602	8	5260273972	8	5286575342
7	4579726027	7	4602739726	7	4625753424
6	3925479452	6	3945205479	6	3964931506
5	3271232876	5	3287671232	5	3304109589
4	2616986301	4	2630136986	4	2643287671
3	1962739726	3	1972602739	3	1982465753
2	1308493150	2	1315068493	2	1321643835
1	0654246575	1	0657534246	1	0660821917
1s	0032712328	1s	0032876712	1s	0033041095
1d	0002726027	1d	0002739726	1d	0002753424
202 Days.		203 Days.		204 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	5976986301	9	6006575342	9	6036164383
8	5312876712	8	5339178082	8	5365479452
7	4648767123	7	4671780821	7	4694794520
6	3984657534	6	4004383561	6	4024109589
5	3320547945	5	3336986301	5	3353424657
4	2656438356	4	2669589041	4	2682739726
3	1992328767	3	2002191780	3	2012054794
2	1328219178	2	1334794520	2	1341369863
1	0664109589	1	0667397260	1	0670684931
1s	0033205479	1s	0033369863	1s	0033534246
1d	0002767123	1d	0002780821	1d	0002794520
205 Days.		206 Days.		207 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	6065753424	9	6095342465	9	6124931506
8	5391780821	8	5418082191	8	5444383561
7	4717808219	7	4740821917	7	4763835616
6	4043835616	6	4063561643	6	4083287671
5	3369863013	5	3386301369	5	3402739726
4	2695890410	4	2709041095	4	2722191780
3	2021917808	3	2031780821	3	2041643835
2	1347945205	2	1354520547	2	1361095890
1	0673972602	1	0677260273	1	0680547945
1s	0033698630	1s	0033863013	1s	0034027397
1d	0002808219	1d	0002821917	1d	0002835616

208 Days.		209 Days.		210 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	6154520547	9	6184109589	9	6213698630
8	5470684931	8	5496986301	8	5523287671
7	4786849315	7	4809863013	7	4832876712
6	4103013698	6	4122739726	6	4142465753
5	3419178082	5	3435616438	5	3452054794
4	2735342465	4	2748493150	4	2761643835
3	2051506849	3	2061369863	3	2071232876
2	1367671232	2	1374246575	2	1380821917
1	0683835616	1	0687123287	1	0690410958
1s	0034191780	1s	0034356164	1s	0034520547
1d	0002849315	1d	0002863013	1d	0002876712
211 Days.		212 Days.		213 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	6243287671	9	6272876712	9	6302465753
8	5549589041	8	5575890410	8	5602191780
7	4855890410	7	4878904109	7	4901917808
6	4162191780	6	4181917808	6	4201643835
5	3468493150	5	3484931506	5	3501369863
4	2774794520	4	2787945205	4	2801095890
3	2081095890	3	2090958904	3	2100821917
2	1387397260	2	1393972602	2	1400547945
1	0693698630	1	0696986301	1	0700273972
1s	0034684931	1s	0034849315	1s	0035013698
1d	0002890410	1d	0002904109	1d	0002917808
214 Days.		215 Days.		216 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	6332054794	9	6361643835	9	6391232876
8	5628493150	8	5654794520	8	5681095890
7	4924931506	7	4947945205	7	4970958904
6	4221369863	6	4241095890	6	4260821917
5	3517808219	5	3534246575	5	3550684931
4	2814246575	4	2827397260	4	2840547945
3	2110684931	3	2120547945	3	2130410958
2	1407123287	2	1413698630	2	1420273972
1	0703561643	1	0706849315	1	0710136986
1s	0035178082	1s	0035342465	1s	0035506849
1d	0002931506	1d	0002945205	1d	0002958904

217 Days.		218 Days.		219 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	6420821917	9	6450410958	9	6480000000
8	5707397260	8	5733698630	8	5760000000
7	4993972602	7	5016986301	7	5040000000
6	4280547945	6	4300273972	6	4320000000
5	3567123287	5	3583561643	5	3600000000
4	2853698630	4	2866849315	4	2880000000
3	2140273972	3	2150136986	3	2160000000
2	1426849315	2	1433424657	2	1440000000
1	0713424657	1	0716712328	1	0720000000
1s	0035671232	1s	0035835616	1s	0036000000
1d	0002972602	1d	0002986301	1d	0003000000
220 Days.		221 Days.		222 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	6509589041	9	6539178082	9	6568767123
8	5786301369	8	5812602739	8	5838904109
7	5063013698	7	5086027397	7	5109041095
6	4339726027	6	4359452054	6	4379178082
5	3616438356	5	3632876712	5	3649315068
4	2893150684	4	2906301369	4	2919452054
3	2169863013	3	2179726027	3	2189589041
2	1446575342	2	1453150684	2	1459726027
1	0723287671	1	0726575342	1	0729863013
1s	0036164383	1s	0036328767	1s	0036493150
1d	0003013698	1d	0003027397	1d	0003041095
223 Days.		224 Days.		225 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	6598356164	9	6627945205	9	6657534246
8	5865205479	8	5891506849	8	5917808219
7	5132054794	7	5155068493	7	5178082191
6	4398904109	6	4418630136	6	4438356164
5	3665753424	5	3682191780	5	3698630136
4	2932602739	4	2945753424	4	2958904109
3	2199452054	3	2209315068	3	2219178082
2	1466301369	2	1472876712	2	1479452054
1	0733150684	1	0736438356	1	0739726027
1s	0036657534	1s	0036821917	1s	0036986301
1d	0003054794	1d	0003068493	1d	0003082191

226 Days.			227 Days.			228 Days.		
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.			
9	6687123287	9	6716712328	9	6746301369			
8	5944109589	8	5970410958	8	5996712328			
7	5210958904	7	5224109589	7	5247123287			
6	4458082191	6	4477808219	6	4497534246			
5	3715068493	5	3731506849	5	3747945205			
4	2972054794	4	2985205479	4	2998356164			
3	2229041095	3	2238904109	3	2248767123			
2	1486027397	2	1492602739	2	1499178082			
1	0743013698	1	0746301369	1	0749589041			
1s	0037150684	1s	0037315068	1s	0037479452			
1d	0003095890	1d	0003109589	1d	0003123287			
229 Days.			230 Days.			231 Days.		
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.			
9	6775890410	9	6805479452	9	6835068493			
8	6023013698	8	6049315068	8	6075616438			
7	5270136986	7	5293150684	7	5316164383			
6	4517260273	6	4536986301	6	4556712328			
5	3764383561	5	3780821917	5	3797260273			
4	3011506849	4	3024657534	4	3037808219			
3	2258630136	3	2268493150	3	2278356164			
2	1505753424	2	1512328767	2	1518904109			
1	0752876712	1	0756164383	1	0759452054			
1s	0037643835	1s	0037808219	1s	0037972602			
1d	0003136986	1d	0003150684	1d	0003164383			
232 Days.			233 Days.			234 Days.		
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.			
9	6864657534	9	6894246575	9	6923835616			
8	6101917808	8	6128219178	8	6154520547			
7	5339178082	7	5362191780	7	5385205479			
6	4576438356	6	4596164383	6	4615890410			
5	3813698630	5	3830136986	5	3846575342			
4	3050958904	4	3064109589	4	3077260273			
3	2288219178	3	2298082191	3	2307945205			
2	1525479452	2	1532054794	2	1538630136			
1	0762739726	1	0766027397	1	0769315068			
1s	0038136986	1s	0038301369	1s	0038465753			
1d	0003178082	1d	0003191780	1d	0003205479			

235 Days.		236 Days.		237 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	6953424657	9	6983013698	9	7012602739
8	6180821917	8	6207123287	8	6233424657
7	5408219178	7	5431232876	7	5454246575
6	4635616438	6	4655342465	6	4675068493
5	3863013698	5	3879452054	5	3895890410
4	3090410958	4	3103561643	4	3116712328
3	2317808219	3	2327671232	3	2337534246
2	1545205479	2	1551780821	2	1558356164
1	0772602739	1	0775890410	1	0779178082
1s	0038630136	1s	0038794520	1s	0038958904
1d	0003219178	1d	0003232876	1d	0003246575
238 Days.		239 Days.		240 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	7042191780	9	7071780821	9	7101369863
8	6259726027	8	6286027397	8	6312328767
7	5477260273	7	5500273972	7	5523287671
6	4694794520	6	4714520547	6	4734246575
5	3912328767	5	3928767123	5	3945205479
4	3129863013	4	3143013698	4	3156164383
3	2347397260	3	2357260273	3	2367123287
2	1564931506	2	1571506849	2	1578082191
1	0782465753	1	0785753424	1	0789041095
1s	0039123287	1s	0039287671	1s	0039452054
1d	0003260273	1d	0003273972	1d	0003287671
241 Days.		242 Days.		243 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	7130958904	9	7160547945	9	7190136986
8	6338630136	8	6364931506	8	6391232876
7	5546301369	7	5569315068	7	5592328767
6	4753972602	6	4773698630	6	4793424657
5	3961643835	5	3978082191	5	3994520547
4	3169315068	4	3182465753	4	3195616438
3	2376986301	3	2386849315	3	2396712328
2	1584657534	2	1591232876	2	1597808219
1	0792328767	1	0795616438	1	0798904109
1s	0039616438	1s	0039780821	1s	0039945205
1d	0003301369	1d	0003315068	1d	0003328767

244 Days.		245 Days.		246 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	7219726027	9	7249315068	9	7278904109
8	6417534246	8	6443835616	8	6470136986
7	5615342465	7	5638356164	7	5661369863
6	4813150684	6	4832876712	6	4852602739
5	4010958904	5	4027397260	5	4043835616
4	3208767123	4	3221917808	4	3235068493
3	2406575342	3	2416438356	3	2426301369
2	1604383561	2	1610958904	2	1617534246
1	0802191780	1	0805479452	1	0808767123
1s	0040109589	1s	0040273972	1s	0040438356
1d	0003342465	1d	0003356164	1d	0003369863
247 Days.		248 Days.		249 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	7308493150	9	7338082191	9	7367671232
8	6496438356	8	6522739726	8	6549041095
7	5684383561	7	5707397260	7	5730410958
6	4872328767	6	4892054794	6	4911780821
5	4060273972	5	4076712328	5	4093150684
4	3248219178	4	3261369863	4	3274520547
3	2436164383	3	2446027397	3	2455890410
2	1624109589	2	1630684931	2	1637260273
1	0812054794	1	0815342465	1	0818630136
1s	0040602739	1s	0040767123	1s	0040931506
1d	0003383561	1d	0003397260	1d	0003410958
250 Days.		251 Days.		252 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	7397260273	9	7426849315	9	7456438356
8	6575342465	8	6601643835	8	6627945205
7	5753424657	7	5776438356	7	5799452054
6	4931506849	6	4951232876	6	4970958904
5	4109589041	5	4126027397	5	4142465753
4	3287671232	4	3300821917	4	3313972602
3	2465753424	3	2475616438	3	2485479452
2	1643835616	2	1650410958	2	1656986301
1	0821917808	1	0825205479	1	0828493150
1s	0041095890	1s	0041260273	1s	0041424657
1d	0003424657	1d	0003438356	1d	0003452054

253 Days.		254 Days.		255 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	7486027397	9	7515616438	9	7545205479
8	6654246575	8	6680547945	8	6706849315
7	5822465753	7	5845479452	7	5868493150
6	4990684931	6	5010410958	6	5030136986
5	4158904109	5	4175342465	5	4191780821
4	3327123287	4	3340273972	4	3353424657
3	2495342465	3	2505205479	3	2515068493
2	1663561643	2	1670136986	2	1676712328
1	0831780821	1	0835068493	1	0838356164
1s	0041589041	1s	0041753424	1s	0041917808
1d	0003465753	1d	0003479452	1d	0003493150
256 Days.		257 Days.		258 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	7574794520	9	7604383561	9	7633972602
8	6733150684	8	6759452054	8	6785753424
7	5891506849	7	5914520547	7	5937534246
6	5049863013	6	5069589041	6	5089315068
5	4208219178	5	4224657534	5	4241095890
4	3366575342	4	3379726027	4	3392876712
3	2524931506	3	2534794520	3	2544657534
2	1683287671	2	1689863013	2	1696438356
1	0841643835	1	0844931506	1	0848219178
1s	0042082191	1s	0042246575	1s	0042410958
1d	0003506849	1d	0003520547	1d	0003534246
259 Days.		260 Days.		261 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	7663561643	9	7693150684	9	7722739726
8	6812054794	8	6838356164	8	6864657534
7	5960547945	7	5983561643	7	6006575342
6	5109041095	6	5128767123	6	5148493150
5	4257534246	5	4273972602	5	4290410958
4	3406027397	4	3419178082	4	3432328767
3	2554520547	3	2564383561	3	2574246575
2	1703013698	2	1709589041	2	1716164383
1	0851506849	1	0854794520	1	0858082191
1s	0042575342	1s	0042739726	1s	0042904109
1d	0003547945	1d	0003561643	1d	0003575342

30 SIMPLE INTEREST TABLE I.

262 Days.		263 Days.		264 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	7752328767	9	7781917808	9	7811506849
8	6890958904	8	6917260273	8	6943561643
7	6029589041	7	6052602739	7	6075616438
6	5168219178	6	5187945205	6	5207671232
5	4306849315	5	4323287671	5	4339726027
4	3445479452	4	3458630136	4	3471780821
3	2584109589	3	2593972602	3	2603835616
2	1722739726	2	1729315068	2	1735890410
1	0861369863	1	0864657534	1	0867945205
1s	0043068493	1s	0043232876	1s	0043397260
1d	0003589041	1d	0003602739	1d	0003616438
265 Days.		266 Days.		267 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	7841095890	9	7870684931	9	7900273972
8	6969863013	8	6996164383	8	7022465753
7	6098630136	7	6121643835	7	6144657534
6	5227397260	6	5247123287	6	5266849315
5	4356164383	5	4372602739	5	4389041095
4	3484931506	4	3498082191	4	3511232876
3	2613698630	3	2623561643	3	2633424657
2	1742465753	2	1749041095	2	1755616438
1	0871232876	1	0874520547	1	0877808219
1s	0043561643	1s	0043726027	1s	0043890410
1d	0003630136	1d	0003643835	1d	0003657534
268 Days.		269 Days.		270 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	7929863013	9	7959452054	9	7989041095
8	7048767123	8	7075068493	8	7101369863
7	6167671232	7	6190684931	7	6213698630
6	5286575342	6	5306301369	6	5326027397
5	4405479452	5	4421917808	5	4438356164
4	3524383561	4	3537534246	4	3550684931
3	2643287671	3	2653150684	3	2663013698
2	1762191780	2	1768767123	2	1775342465
1	0881095890	1	0884383561	1	0887671232
1s	0044054794	1s	0044219178	1s	0044383561
1d	0003671232	1d	0003684931	1d	0003698630

TABLE I. at $\text{£} \frac{1}{2}$ Cent. Ann. 31

271 Days.		272 Days.		273 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	8018630136	9	8048219178	9	8077808219
8	7127671232	8	7153972602	8	7180273972
7	6236712328	7	6259726027	7	6282739725
6	5345753424	6	5365479452	6	5385205479
5	4454794520	5	4471232876	5	4487671232
4	3563835616	4	3576986301	4	3590136986
3	2672876712	3	2682739726	3	2692602739
2	1781917808	2	1788493150	2	1795068493
1	0890958904	1	0894246575	1	0897534246
1s	0044547945	1s	0044712328	1s	0044876712
1d	0003712328	1d	0003726027	1d	0003739726
274 Days.		275 Days.		276 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	8107397260	9	8136986301	9	8166575342
8	7206575342	8	7232876712	8	7259178082
7	6305753424	7	6328767123	7	6351780821
6	5404931506	6	5424657534	6	5444383561
5	4504109589	5	4520547945	5	4536986301
4	3603287671	4	3616438356	4	3629589041
3	2702465753	3	2712328767	3	2722191780
2	1801643835	2	1808219178	2	1814794520
1	0900821917	1	0904109589	1	0907397260
1s	0045041095	1s	0045205479	1s	0045369863
1d	0003753424	1d	0003767123	1d	0003780821
277 Days.		278 Days.		279 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	8196164383	9	8225753424	9	8255342465
8	7285479452	8	7311780821	8	7338082191
7	6374794520	7	6397808219	7	6420821917
6	5464109589	6	5483835616	6	5503561643
5	4553424657	5	4569863013	5	4586301369
4	3642739726	4	3655890410	4	3669041095
3	2732054794	3	2741917808	3	2751780821
2	1821369863	2	1827945205	2	1834520547
1	0910684931	1	0913972602	1	0917260273
1s	0045534246	1s	0045698630	1s	0045863013
1d	0003794520	1d	0003808219	1d	0003821917

SIMPLE INTEREST TABLE.

280 Days.		281 Days.		282 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	8284931506	9	8314520547	9	8344109589
8	7364383561	8	7390684931	8	7416986301
7	6443835616	7	6466849315	7	6489863013
6	5523287671	6	5543013698	6	5562739726
5	4602739726	5	4619178082	5	4635616438
4	3682191780	4	3695342465	4	3708493150
3	2761643835	3	2771506849	3	2781369863
2	1841095890	2	1847671232	2	1854246575
1	0920547945	1	0923835616	1	0927123287
1s	0046027397	1s	0046191780	1s	0046356164
1d	0003835616	1d	0003849315	1d	0003863013
283 Days.		284 Days.		285 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	8373698630	9	8403287671	9	8432876712
8	7443287671	8	7469589041	8	7495890410
7	6512876712	7	6535890410	7	6558904109
6	5582465753	6	5602191780	6	5621917808
5	4652054794	5	4668493150	5	4684931506
4	3721643835	4	3734794520	4	3747945205
3	2791232876	3	2801095890	3	2810958904
2	1860821917	2	1867397260	2	1873972602
1	0930410958	1	0933698630	1	0936986301
1s	0046520547	1s	0046684931	1s	0046849315
1d	0003876712	1d	0003890410	1d	0003904109
286 Days.		287 Days.		288 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	8462465753	9	8492054794	9	8521643835
8	7522191780	8	7548493150	8	7574794520
7	6581917808	7	6604931506	7	6627945205
6	5641643835	6	5661369863	6	5681095890
5	4701369863	5	4717808219	5	4734246575
4	3761095890	4	3774246575	4	3787397260
3	2820821917	3	2830684931	3	2840547945
2	1880547945	2	1887123287	2	1893698630
1	0940273972	1	0943561643	1	0946849315
1s	0047013698	1s	0047178082	1s	0047342465
1d	0003917808	1d	0003931506	1d	0003945205

TABLE I. at $\text{£} \frac{1}{2}$ Cent. Ann.

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289 Days.		290 Days.		291 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	8551232876	9	8580821917	9	8610410958
8	7601095890	8	7627397260	8	7653698630
7	6650958904	7	6673972602	7	6696986301
6	5700821917	6	5720547945	6	5740273972
5	4750684931	5	4767123287	5	4783561643
4	3800547945	4	3813698630	4	3826849315
3	2850410958	3	2860273972	3	2870136986
2	1900273972	2	1906849315	2	1913424657
1	0950136986	1	0953424657	1	0956712328
1s	0047506849	1s	0047671232	1s	0047835616
1d	0003958904	1d	0003972602	1d	0003986301
292 Days.		293 Days.		294 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	8640000000	9	8669589041	9	8699178082
8	7680000000	8	7706301369	8	7732602739
7	6720000000	7	6743013698	7	6766027397
6	5760000000	6	5779726027	6	5799452054
5	4800000000	5	4816438356	5	4832876712
4	3840000000	4	3853150684	4	3866301369
3	2880000000	3	2889863013	3	2899726027
2	1920000000	2	1926575342	2	1933150684
1	0960000000	1	0963287671	1	0966575342
1s	0048000000	1s	0048164383	1s	0048328767
1d	0004000000	1d	0004013698	1d	0004027397
295 Days.		296 Days.		297 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	8728767123	9	8758356164	9	8787945205
8	7758904109	8	7785205479	8	7811506849
7	6789041095	7	6812054794	7	6835068493
6	5819178082	6	5838904109	6	5858630136
5	4849315068	5	4865753424	5	4882191780
4	3879452054	4	3892602739	4	3905753424
3	2909589041	3	2919452054	3	2929315068
2	1939726027	2	1946301369	2	1952876712
1	0969863013	1	0973150684	1	0976438356
1s	0048493150	1s	0048657534	1s	0048821917
1d	0004041095	1d	0004054794	1d	0004068493

298 Days.		299 Days.		300 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	8817534246	9	8847123287	9	8876712328
8	7837808219	8	7864109589	8	7890410958
7	6858082191	7	6881095890	7	6904109589
6	5878356164	6	5898082191	6	5917808219
5	4898630136	5	4915068493	5	4931506849
4	3918904109	4	3932054794	4	3945205479
3	2939178082	3	2949041095	3	2958904109
2	1959452054	2	1966027397	2	1972602739
1	0979726027	1	0983013698	1	0986301369
1s	0048986301	1s	0049150684	1s	0049315068
1d	0004082191	1d	0004095890	1d	0004109589
301 Days.		302 Days.		303 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	8906301369	9	8935890410	9	8965479452
8	7916712328	8	7943013698	8	7969315068
7	6927123287	7	6950136986	7	6973150684
6	5937534246	6	5957260273	6	5976986301
5	4947945205	5	4964383561	5	4980821917
4	3958356164	4	3971506849	4	3984657534
3	2968767123	3	2978630136	3	2988493150
2	1979178082	2	1985753424	2	1992328767
1	0989589041	1	0992876712	1	0996164383
1s	0049479452	1s	0049643835	1s	0049808219
1d	0004123287	1d	0004136986	1d	0004150684
304 Days.		305 Days.		306 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	8995068493	9	9024657534	9	9054246575
8	7995616439	8	8021917808	8	8048219178
7	6996164383	7	7019178082	7	7042191780
6	5996712328	6	6016438356	6	6036164383
5	4997260273	5	5013698630	5	5030136986
4	3997808219	4	4010958904	4	4024109589
3	2998356164	3	3008219178	3	3018082191
2	1998904109	2	2005479452	2	2012054794
1	0999452054	1	1002739726	1	1006027397
1s	0049972602	1s	0050136986	1s	0050301369
1d	0004164383	1d	0004178082	1d	0004191780

307 Days.		308 Days.		309 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	9083835616	9	9113424657	9	9143013698
8	8074520547	8	8100821917	8	8127123287
7	7065205479	7	7088219178	7	7111232876
6	6055890410	6	6075616438	6	6095342465
5	5046575342	5	5063013698	5	5079452054
4	4037260273	4	4050410958	4	4063561643
3	3027945205	3	3037808219	3	3047671232
2	2018630136	2	2025205479	2	2031780821
1	1009315068	1	1012602739	1	1015890410
1s	0050465753	1s	0050630136	1s	0050794520
1d	0004205479	1d	0004219178	1d	0004232876
310 Days.		311 Days.		312 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	9172602739	9	9202191780	9	9231780821
8	8153424657	8	8179726027	8	8206027397
7	7134246575	7	7157260273	7	7180273972
6	6115068493	6	6134794520	6	6154520547
5	5095890410	5	5112328767	5	5128767123
4	4076712328	4	4089863013	4	4103013698
3	3057534246	3	3067397260	3	3077260273
2	2038356164	2	2044931506	2	2051506849
1	1019178082	1	1022465753	1	1025753424
1s	0050958904	1s	0051123287	1s	0051287671
1d	0004246575	1d	0004260273	1d	0004273972
313 Days.		314 Days.		315 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	9261369863	9	9290958904	9	9320547945
8	8232328767	8	8258630136	8	8284931506
7	7203287671	7	7226301369	7	7249315068
6	6174246575	6	6193972602	6	6213698630
5	5145205479	5	5161643835	5	5178082191
4	4116164383	4	4129315068	4	4142465753
3	3087123287	3	3096986301	3	3106849315
2	2058082191	2	2064657534	2	2071232876
1	1029041095	1	1032328767	1	1035616438
1s	0051452054	1s	0051616438	1s	0051780821
1d	0004287671	1d	0004301369	1d	0004315068

316 Days.		317 Days.		318 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	9350136986	9	9379726027	9	9409315068
8	8311232876	8	8337534246	8	8363835616
7	7272328767	7	7295342465	7	7318356164
6	6233424657	6	6253150684	6	6272876712
5	5194520547	5	5210958904	5	5227397260
4	4155616438	4	4168767123	4	4181917808
3	3116712328	3	3126575342	3	3136438356
2	2077808219	2	2084383561	2	2090958904
1	1038904109	1	1042191780	1	1045479452
1s	0051945205	1s	0052109589	1s	0052273972
1d	0004328767	1d	0004342465	1d	0004356164
319 Days.		320 Days.		321 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	9438904109	9	9468493150	9	9498082191
8	8390136986	8	8416438356	8	8442739726
7	7341369863	7	7364383561	7	7387397260
6	6292602739	6	6312328767	6	6332054794
5	5243835616	5	5260273972	5	5276712328
4	4195068493	4	4208219178	4	4221369863
3	3146301369	3	3156164383	3	3166027397
2	2097534246	2	2104109589	2	2110684931
1	1048767123	1	1052054794	1	1055342465
1s	0052438356	1s	0052602739	1s	0052767123
1d	0004369863	1d	0004383561	1d	0004397260
322 Days.		323 Days.		324 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	9527671232	9	9557260273	9	9586849315
8	8469041095	8	8495342465	8	8521643835
7	7410410958	7	7433424657	7	7456438356
6	6351780821	6	6371506849	6	6391232876
5	5293150684	5	5309589041	5	5326027397
4	4234520547	4	4247671232	4	4260821917
3	3175890410	3	3185753424	3	3195616438
2	2117260273	2	2123835616	2	2130410958
1	1058630136	1	1061917808	1	1065205479
1s	0052931506	1s	0053095890	1s	0053260273
1d	0004410958	1d	0004424657	1d	0004438356

325 Days.		326 Days.		327 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	9616438356	9	9646027397	9	9675616438
8	8547945205	8	8574246575	8	8600547945
7	7479452054	7	7502465753	7	7525479452
6	6410958904	6	6430684931	6	6450410958
5	5342465753	5	5358904109	5	5375342465
4	4273972602	4	4287123287	4	4300273972
3	3205479452	3	3215342465	3	3225205479
2	2136986301	2	2143561643	2	2150136986
1	1068493150	1	1071780821	1	1075068493
1s	0053424657	1s	0053589041	1s	0053753424
1d	0004452054	1d	0004465753	1d	0004479452
328 Days.		329 Days.		330 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	9705205479	9	9734794520	9	9764383561
8	8626849315	8	8653150684	8	8679452054
7	7548493150	7	7571506849	7	7594520547
6	6470136986	6	6489863013	6	6509589041
5	5391780821	5	5408219178	5	5424657534
4	4313424657	4	4326575342	4	4339726027
3	3235068493	3	3244931506	3	3254794520
2	2156712328	2	2163287671	2	2169863013
1	1078356164	1	1081643835	1	1084931506
1s	0053917808	1s	0054082191	1s	0054246575
1d	0004493150	1d	0004506849	1d	0004520547
331 Days.		332 Days.		333 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	9793972602	9	9823561643	9	9853150684
8	8705753424	8	8732054794	8	8758356164
7	7617534246	7	7640547945	7	7663561643
6	6529315068	6	6549041095	6	6568767123
5	5441095890	5	5457534246	5	5473972602
4	4352876712	4	4366027397	4	4379178082
3	3264657534	3	3274520547	3	3284383561
2	2176438356	2	2183013698	2	2189589041
1	1088219178	1	1091506849	1	1094794520
1s	0054410958	1s	0054575342	1s	0054739726
1d	0004534246	1d	0004547945	1d	0004561643

334 Days.		335 Days.		336 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	9882739726	9	9912328767	9	9941917808
8	8784657534	8	8810958904	8	8837260273
7	7686575342	7	7709589041	7	7732602739
6	6588493150	6	6608219178	6	6627945205
5	5490410958	5	5506849315	5	5523287671
4	4392328767	4	4405479452	4	4418630136
3	3294246575	3	3304109589	3	3313972602
2	2196164383	2	2202739726	2	2209315068
1	1098082191	1	1101369863	1	1104657534
1s	0054904109	1s	0055068493	1s	0055232876
1d	0004575342	1d	0004589041	1d	0004602739
337 Days.		338 Days		339 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	9971506849	9	10001095890	9	10030684931
8	8863561643	8	8889863013	8	8916164383
7	7755616438	7	7778630136	7	7801643835
6	6647671232	6	6667397260	6	6687123287
5	5539726027	5	5556164383	5	5572602739
4	4431780821	4	4444931506	4	4458082191
3	3323835616	3	3333698630	3	3343561643
2	2215890410	2	2222465753	2	2229041095
1	1107945205	1	1111232876	1	1114520547
1s	0055397260	1s	0055561643	1s	0055726027
1d	0004616438	1d	0004630136	1d	0004643835
340 Days.		341 Days.		342 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	10060273972	9	10089863013	9	10119452054
8	8942465753	8	8968767123	8	8995068493
7	7824657534	7	7847671232	7	7870684931
6	6706849315	6	6726575342	6	6746301369
5	5589041095	5	5605479452	5	5621917808
4	4471232876	4	4484383561	4	4497534246
3	3353424657	3	3363287671	3	3373150684
2	2235616438	2	2242191780	2	2248767123
1	1117808219	1	1121095890	1	1124383561
1s	0055890410	1s	0056054794	1s	0056219178
1d	0004657534	1d	0004671232	1d	0004684931

TABLE I. at $\text{£} \frac{1}{2} \text{ } \text{¢}$ Cent. ¢ Ann. 39

343 Days.		344 Days.		345 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	10149041095	9	10178630136	9	10208219178
8	9021369863	8	9047671232	8	9073972602
7	7893698630	7	7916712328	7	7939726027
6	6766027397	6	6785753424	6	6805479452
5	5638356164	5	5654794520	5	5671232876
4	4510684931	4	4523835616	4	4536986301
3	3383013698	3	3392876712	3	3402739726
2	2255342465	2	2261917808	2	2268493150
1	1127671232	1	1130958904	1	1134246575
1s	0056383561	1s	0056547945	1s	0056712328
1d	0004698630	1d	0004712328	1d	0004726027
346 Days.		347 Days.		348 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	10237808219	9	10267397260	9	10296986301
8	9100273972	8	9126575342	8	9152876712
7	7962739726	7	7985753424	7	8008767123
6	6825205479	6	6844931506	6	6864657534
5	5687671232	5	5704109589	5	5720547945
4	4550136986	4	4563287671	4	4576438356
3	3412602739	3	3422465753	3	3432328767
2	2275068493	2	2281643835	2	2288219178
1	1137534246	1	1140821917	1	1144109589
1s	0056876712	1s	0057041095	1s	0057205479
1d	0004739726	1d	0004753424	1d	0004767123
349 Days.		350 Days.		351 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	10326575342	9	10356164383	9	10385753424
8	9179178082	8	9205479452	8	9231780821
7	8031780821	7	8054794520	7	8077808219
6	6884383561	6	6904109589	6	6923835616
5	5736986301	5	5753424657	5	5769863013
4	4589589041	4	4602739726	4	4615890410
3	3442191780	3	3452054794	3	3461917808
2	2294794520	2	2301369863	2	2307945205
1	1147397260	1	1150684931	1	1153972602
1s	0057369863	1s	0057534246	1s	0057698630
1d	0004780821	1d	0004794520	1d	0004808219

352 Days.		353 Days.		354 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	10415342465	9	10444931506	9	10474520547
8	9258082191	8	9284383561	8	9310684931
7	8100821917	7	8123835616	7	8146849315
6	6943561643	6	6963287671	6	6983013698
5	5786301369	5	5802739726	5	5819178082
4	4629041095	4	4642191780	4	4655342465
3	3471780821	3	3481643835	3	3491506849
2	2314520547	2	2321095890	2	2327671232
1	1157260273	1	1160547045	1	1163835616
1s	0057863013	1s	0058027397	1s	0058191780
1d	0004821917	1d	0004835616	1d	0004849315
355 Days.		356 Days.		357 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	10504109589	9	10533698630	9	10563287671
8	9336986301	8	9363287671	8	9389589041
7	8169863013	7	8192876712	7	8215890410
6	7002739726	6	7022465753	6	7042191780
5	5835616438	5	5852054794	5	5868493150
4	4668493150	4	4681643835	4	4694794520
3	3501369863	3	3511232876	3	3521095890
2	2334246575	2	2340821917	2	2347397260
1	1167123287	1	1170410958	1	1173698630
1s	0058356164	1s	0058520547	1s	0058684931
1d	0004863013	1d	0004876712	1d	0004890410
358 Days.		359 Days.		360 Days.	
£	uxctxc Pts.	£	uxctxc Pts.	£	uxctxc Pts.
9	10592876712	9	10622465753	9	10652054794
8	9415890410	8	9442191780	8	9468493150
7	8238904109	7	8261917808	7	8284931506
6	7061917808	6	7081643835	6	7101369863
5	5884931506	5	5901369863	5	5917808219
4	4707945205	4	4721095890	4	4734246575
3	3530958904	3	3540821917	3	3550684931
2	2353972602	2	2360547945	2	2367123287
1	1176986301	1	1180273972	1	1183561643
1s	0058849315	1s	0059013698	1s	0059178082
1d	0004904109	1d	0004917808	1d	0004931506

TABLE I. at £ $\frac{1}{2}$ Cent. Ann. 41

361 Days.			362 Days.			363 Days.		
£	uxctxc Pts.		£	uxctxc Pts.		£	uxctxc Pts.	
9	10681643835		9	10711232876		9	10740821917	
8	9494794520		8	9521095890		8	9547397260	
7	8307945205		7	8330958904		7	8353972602	
6	7121095890		6	7140821917		6	7160547945	
5	5934246575		5	5950684931		5	5967123287	
4	4747397260		4	4760547945		4	4773698630	
3	3560547945		3	3570410958		3	3580273972	
2	2373698630		2	2380273972		2	2386849315	
1	1186849315		1	1190136986		1	1193424657	
1s	0059342465		1s	0059506849		1s	0059671232	
1d	0004945205		1d	0004958904		1d	0004972602	
364 Days.			365 Days.			366 Days.		
£	uxctxc Pts.		£	uxctxc Pts.		£	uxctxc Pts.	
9	10770410958		9	10800000000		9	10829589041	
8	9573698630		8	9600000000		8	9626301369	
7	8376986301		7	8400000000		7	8423013698	
6	7180273972		6	7200000000		6	7219726027	
5	5983561643		5	6000000000		5	6016438356	
4	4786849315		4	4800000000		4	4813150684	
3	3590136986		3	3600000000		3	3609863013	
2	2393424657		2	2400000000		2	2406575342	
1	1196712328		1	1200000000		1	1203287671	
1s	0059835616		1s	0060000000		1s	0060164383	
1d	0004986301		1d	0005000000		1d	0005013698	
1 Month.			6 Months.			1 Year.		
£	uxctxc Pts.		£	uxctxc Pts.		£	uxctxc Pts.	
9	0900000000		9	5400000000		9	10800000000	
8	0800000000		8	4800000000		8	9600000000	
7	0700000000		7	4200000000		7	8400000000	
6	0600000000		6	3600000000		6	7200000000	
5	0500000000		5	3000000000		5	6000000000	
4	0400000000		4	2400000000		4	4800000000	
3	0300000000		3	1800000000		3	3600000000	
2	0200000000		2	1200000000		2	2400000000	
1	0100000000		1	0600000000		1	1200000000	
1s	0050000000		1s	0030000000		1s	0060000000	
1d	0004166660		1d	0002500000		1d	0005000000	

The Use and Explanation of Table I.



THE USE and EXPLANATION of TABLE I.

THIS Table, beginning at 1 Day and carried on to 366 Days, will shew the Interest of any Sum of Money at $\text{£}\frac{1}{2}$ per Cent. per Annum, giving the Answer in Pence and Decimals of a Penny. Under each narrow Column and under the Letter £ , which denotes Pounds, are the nine numerical Figures, viz. 9, 8, 7, 6, 5, 4, 3, 2, 1, and after these 1s. and 1d. Now by prefixing a Cypher, or Cyphers, to these Numbers they will express the following Sums.

£	£	£	£	£
Thus 9 will denote	90	900	9000	90000, &c.
8 — — —	80	800	8000	80000
7 — — —	70	700	7000	70000
and so of the rest.				

In the other Column under Days is contained the Interest of any Sum required, and each respective Article is distinguished at the Head of the Table with its proper numerical Character, which being those of the Numeration Table, viz. *uxctxc* must be known to every one who is acquainted with common Arithmetic. Thus *u* denotes Units, therefore if your Principal is Units the Interest thereof is found under *u*, taking all the Figures to the left Hand, which call Pence, and the remaining Figures to the right Hand are decimal Parts of a Penny. Again, if your Principal is Tens, then its Interest is found under *x*, counting to the left Hand as before; if the Principal is Hundreds, its Interest is found under *c*, &c. if Thousands under *r*, if Tens of Thousands under the second *x*, &c. and if Hundreds of Thousands under the second *c*, &c.

EXAMPLE I.

What is the Interest of $\text{£}600$ for 49 Days, at $\text{£}\frac{1}{2}$ per Cent. per Annum?

Turn to 49 Days and against $\text{£}6$ or $\text{£}600$, under the Letter *c* at the Head of the Table you will find 96 Pence, and 6575 Decimal Parts of a Penny.

The Use and Explanation of Table I.

EXAMPLE II.

What is the Interest of £1500 for 136 Days, at $\text{£}3\frac{1}{2}$ per Cent.
per Annum?

	Pence.	Parts.
Turn to 136 Days and against £1000 you will		
find under r — — — — —	447	and 1232
And against £500 you will		
find under c — — — — —	223	and 5616

670 and 6848

Then multiply by 7 the Halves in $\text{£}3\frac{1}{2}$ 7

Which reduce by 12) 4694.7936

210) 39 1.2

Answer, £19 : 11 : 2 and 7963 Parts.

19.11

EXAMPLE III.

What is the Interest of £30886 for 327 Days at £4 per Cent.
per Annum?

£	Pence. Parts.
30.000 for 327 Days is	32252.0547
800 — — — —	860.0547
80 — — — —	86.0054
6 — — — —	6.4504

30.886

33204.5654
Multiplied by 8 the halves in £4.

12) 265636.5232

210) 221316.4

Answer, £1106 : 16 : 4 & 5232 Pts.

To find the Interest of SHILLINGS and PENCE.

You may multiply the Interest of One Shilling by the Number of Shillings, and the Interest of One Penny by the Number of Pence given.

The Use and Explanation of Table I.

EXAMPLE IV.

What is the Interest of 12 s. for 228 Days at £5 per Cent. per Annum?

s.	d.	Parts.
The Interest of 12 is	per Table 0	and .03747945
	Multiplied by	12
		<hr style="width: 100px; margin: 0 auto;"/>
		.44973340

Then multiplying by the Halves in £5 which are 10, is nothing more than bringing the Number a Place forwards to the left Hand, and the Answer is 4d. and 497, &c. Decimals of a Penny.

OR THUS,

Halve the Number of Shillings and seek their Half under £, only observe them to be Parts of a Pound. Thus the Half of 12 is 6, and against 6 under 228 Days you will find the Interest is d. 4.497, admitting it is multiplied by 10, the Number of Halves in £5 as before.

EXAMPLE V.

What is the Interest of 19 s. for 308 Days at £4 per Cent. per Annum?

The half of 19s. is 9 and 1 over.

Parts.	Days.	d. Parts.
Then against 9 I find under 308		0.91134
And against 1s. I find — —		0.05063

	.96197
Multiplied by	8 the halves in £4.

d. 7.69576

d.	Pts.
Proof 0.05063	
	19

45567
5063

96197
8

d. 7.69576 as before.

The Use and Explanation of Table I.

EXAMPLE VI.

What is the Interest of 11 *d.* for 338 Days at £5 per Cent. per Annum?

	<i>d.</i>	<i>Days.</i>	<i>d. Parts.</i>
The Interest of 1 under 338 is			0.004630
Multiplied by	11		

	050930	<i>Parts.</i>	<i>d.</i>
Multiplied by Rate		10 Facit	.5093 = $\frac{1}{2}$.



The United States of America

Department of the Interior

Geological Survey

Washington, D. C.

1900

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1900

T A B L E S
O F
COMPOUND INTEREST,
A T
£ 3, 3½, 4, 5, 6, 7, 8, 9, and 10,
per Cent. per Annum.

1 Year.		2 Years.		3 Years.		4 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	10300000	1	10609000	1	10927270	1	11255088
2	20600000	2	21218000	2	21854540	2	22510176
3	30900000	3	31827000	3	32781810	3	33765264
4	41200000	4	42436000	4	43709080	4	45020352
5	51500000	5	53045000	5	54636350	5	56275440
6	61800000	6	63654000	6	65563620	6	67530528
7	72100000	7	74263000	7	76490890	7	78785616
8	82400000	8	84872000	8	87418160	8	90040704
9	92700000	9	95481000	9	98345430	9	101295792
5 Years.		6 Years.		7 Years.		8 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	11592740	1	11940522	1	12298738	1	12667700
2	23185481	2	23881045	2	24597477	2	25335401
3	34778222	3	35821568	3	36896215	3	38003102
4	46370962	4	47762091	4	49294954	4	50670803
5	57963703	5	59702614	5	61493693	5	63338504
6	69556444	6	71643137	6	73792431	6	76006204
7	81149185	7	83583660	7	86091170	7	88673905
8	92741925	8	95524183	8	98389909	8	101341606
9	104334666	9	107464706	9	110688647	9	114009307
9 Years.		10 Years.		11 Years.		12 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	13047731	1	13439163	1	13842338	1	14257608
2	26095463	2	26878327	2	27684677	2	28515217
3	39143195	3	40317491	3	41527016	3	42772826
4	52190927	4	53756655	4	55369354	4	57030435
5	65238659	5	67195818	5	69211693	5	71288044
6	78286390	6	80634982	6	83054032	6	85545652
7	91334122	7	94074146	7	96896370	7	99803261
8	104381854	8	107513310	8	110738709	8	114060870
9	117429586	9	120952474	9	124581048	9	128318479
13 Years.		14 Years.		15 Years.		16 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	14685337	1	15125897	1	15579674	1	16047064
2	29370674	2	30251794	2	31159348	2	32094128
3	44056011	3	45377691	3	46739022	3	48141193
4	58741348	4	60503588	4	62318696	4	64188257
5	73426685	5	75629486	5	77898370	5	80235321
6	88112022	6	90755383	6	93478044	6	96282386
7	102797359	7	105881280	7	109057719	7	112329450
8	117482697	8	121007177	8	124637393	8	128376515
9	132168034	9	136133075	9	140217067	9	144423579

TABLE II. Amount of any Sum at £ 3 $\frac{1}{4}$ C. $\frac{1}{4}$ A. 43

17 Years.		18 Years.		19 Years.		20 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	16528476	1	17024330	1	17535060	1	18061112
2	33056952	2	34048661	2	35070121	2	36122224
3	49585428	3	51072991	3	52605181	3	54183336
4	66113905	4	68097322	4	70140242	4	72244449
5	82642381	5	85121653	5	87675302	5	90305561
6	99170857	6	102145983	6	105210363	6	108366673
7	115699334	7	119170314	7	122745423	7	126427786
8	132227810	8	136194644	8	140280484	8	144488898
9	148756286	9	153218975	9	157815544	9	162550010
21 Years.		22 Years.		23 Years.		24 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	18602945	1	19161034	1	19735865	1	20327941
2	37205891	2	38322068	2	39471730	2	40655882
3	55808837	3	57483102	3	59207595	3	60983823
4	74411782	4	76644136	4	78943460	4	81311764
5	93014728	5	95805170	5	98679325	5	101639705
6	111617674	6	114966204	6	118415190	6	121967646
7	130220619	7	134127238	7	138151055	7	142295587
8	148823565	8	153288272	8	157886920	8	162623528
9	167426511	9	172449306	9	177622785	9	182951469
25 Years.		26 Years.		27 Years.		28 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	20937779	1	21565912	1	22212890	1	22879276
2	41875558	2	43131825	2	44425780	2	45758553
3	62813337	3	64697738	3	66638670	3	68637830
4	83751117	4	86263651	4	88851560	4	91517106
5	104688896	5	107829564	5	111064450	5	114396383
6	125626675	6	129395477	6	133277340	6	137275660
7	146564455	7	150961390	7	155490230	7	160154937
8	167502234	8	172527303	8	177703120	8	183034214
9	188440013	9	194093216	9	199916010	9	205913490
29 Years.		30 Years.		31 Years.		32 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	23565655	1	24272624	1	25000803	1	25750827
2	47131310	2	48545249	2	50001606	2	51501655
3	70696965	3	72817874	3	75002410	3	77252482
4	94262620	4	97090498	4	100003213	4	103003310
5	117828275	5	121363123	5	125004017	5	128754137
6	141393930	6	145635748	6	150004820	6	154504965
7	164959585	7	169908372	7	175005624	7	180255792
8	188525240	8	194180997	8	200006427	8	206006620
9	212090895	9	218453622	9	225007231	9	231757447

44 COMPOUND INTEREST. TABLE II.

33 Years.		34 Years.		35 Years.		36 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	26523352	1	27319052	1	28138624	1	28982783
2	53046704	2	54638105	2	56277249	2	57965566
3	79570057	3	81957158	3	84415873	3	86948349
4	106093409	4	109276211	4	112554498	4	115931133
5	132616761	5	136595264	5	140693122	5	144913916
6	159140114	6	163914317	6	168831747	6	173896699
7	185663466	7	191233370	7	196970371	7	202879482
8	212186818	8	218552423	8	225108996	8	231862266
9	238710171	9	245871476	9	253247620	9	260845049
37 Years.		38 Years.		39 Years.		40 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	29852266	1	30747834	1	31670269	1	32620377
2	59704533	2	61495669	2	63340539	2	65240755
3	89556800	3	92243504	3	95010809	3	97861133
4	119409067	4	122991339	4	126681079	4	130481511
5	149261333	5	153739173	5	158351349	5	163101889
6	179113600	6	184487008	6	190021618	6	195722267
7	208965867	7	215234843	7	221691888	7	228342645
8	238818134	8	245982678	8	253362158	8	260963023
9	268670401	9	276730512	9	285032428	9	293583401
41 Years.		42 Years.		43 Years.		44 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	33598989	1	34606958	1	35645167	1	36714522
2	67197978	2	69213917	2	71290335	2	73429045
3	100796967	3	103820876	3	106935503	3	110143568
4	134395957	4	138427835	4	142580670	4	146858090
5	167994946	5	173034794	5	178225838	5	183572613
6	201593935	6	207641753	6	213871006	6	220287136
7	235192924	7	242248712	7	249516173	7	257001659
8	268791914	8	276855671	8	285161341	8	293716181
9	302390903	9	311462630	9	320806510	9	330430704
45 Years.		46 Years.		47 Years.		48 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	37815958	1	38950437	1	40118950	1	41322518
2	75631917	2	77900874	2	80237900	2	82645037
3	113447875	3	116851311	3	120356850	3	123967556
4	151263833	4	155801748	4	160475801	4	165290075
5	189079791	5	194752185	5	200594751	5	206612593
6	226895750	6	233702622	6	240713701	6	247935112
7	264711708	7	272653060	7	280832651	7	289257631
8	302527667	8	311603497	8	320951602	8	330580150
9	340343625	9	350553934	9	361070552	9	371902668

TABLE II. Amount of any Sum at £ 3 $\frac{1}{4}$ C. $\frac{1}{4}$ A. 45

49 Years.		50 Years.		51 Years.		52 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	42562194	1	43839060	1	45154231	1	46508858
2	85124388	2	87678120	2	90308463	2	93017717
3	127686583	3	131517180	3	135462695	3	139526576
4	170248777	4	175355240	4	180616927	4	186035435
5	212810971	5	219195300	5	225771159	5	232544294
6	255373166	6	263034360	6	270925391	6	279053153
7	297935360	7	306873421	7	316079623	7	325562012
8	340497554	8	350712481	8	361233855	8	372070871
9	383059749	9	394551541	9	406388087	9	418579730
53 Years.		54 Years.		55 Years.		56 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	47904124	1	49341248	1	50821485	1	52346130
2	95808249	2	98682496	2	101642971	2	104692260
3	143712374	3	148023745	3	152464457	3	157038391
4	191616498	4	197364993	4	203285943	4	209384521
5	239520623	5	246706242	5	254107429	5	261730652
6	287424748	6	296047490	6	304928915	6	314076782
7	335328872	7	345388739	7	355750401	7	366422913
8	383232997	8	394729987	8	406571887	8	418769043
9	431137122	9	444071235	9	457393373	9	471115174
57 Years.		58 Years.		59 Years.		60 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	53916514	1	55534009	1	57200030	1	58916031
2	107833028	2	111068019	2	114400060	2	117832062
3	161749543	3	166602029	3	171600090	3	176748093
4	215666057	4	222136039	4	228800120	4	235664124
5	269582571	5	277670049	5	286000150	5	290580155
6	323499086	6	333204058	6	343200180	6	353496186
7	377415600	7	388738068	7	400400210	7	412412217
8	431332115	8	444272078	8	457600240	8	471328248
9	485248629	9	499806088	9	514800270	9	530244279
70 Years.		80 Years.		90 Years.		100 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	79178219	1	106408905	1	14300467	1	19218632
2	158356438	2	212817811	2	28600934	2	38437264
3	237534657	3	319226716	3	42901401	3	57655896
4	316712876	4	425635622	4	57201868	4	76874528
5	395891095	5	532044527	5	71502336	5	96093160
6	475069314	6	638453433	6	85802803	6	115311792
7	554247533	7	744862338	7	100103270	7	134530424
8	633425752	8	851271244	8	114403737	8	153749056
9	712603971	9	957680149	9	128704204	9	172967688

46 COMPOUND INTEREST. TABLE III.

1 Year.		2 Years.		3 Years.		4 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	09708737	1	09425959	1	09151416	1	08884870
2	19417475	2	18851918	2	18302833	2	17769741
3	29126213	3	28277877	3	27454249	3	26654611
4	38834951	4	37703836	4	36605666	4	35539482
5	48543689	5	47129795	5	45757082	5	44424352
6	58252427	6	56555755	6	54908499	6	53309223
7	67961165	7	65981714	7	64059916	7	62194093
8	77669902	8	75407673	8	73211332	8	71078964
9	87378640	9	84833632	9	82362749	9	79963834
5 Years.		6 Years.		7 Years.		8 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	08626087	1	08374842	1	08130915	1	07894092
2	17252175	2	16749685	2	16261830	2	15788184
3	25878263	3	25124527	3	24392745	3	23682277
4	34504351	4	33499370	4	32523660	4	31576369
5	43130439	5	41874212	5	40654575	5	39470461
6	51756527	6	50249055	6	48785490	6	47364554
7	60382615	7	58623897	7	56916405	7	55258646
8	69008702	8	66998740	8	65047320	8	63152738
9	77634790	9	75373583	9	73178235	9	71046831
9 Years.		10 Years.		11 Years.		12 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	07664167	1	07440939	1	07224212	1	07013798
2	15328334	2	14881878	2	14448425	2	14027597
3	22992502	3	22322817	3	21672638	3	21041396
4	30656669	4	29763756	4	28896850	4	28055195
5	38320836	5	37204695	5	36121063	5	35068994
6	45985004	6	44645634	6	43345276	6	42082792
7	53649171	7	52086574	7	50569488	7	49096591
8	61313338	8	59527513	8	57793701	8	56110390
9	68977506	9	66968452	9	65017914	9	63124189
13 Years.		14 Years.		15 Years.		16 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	06809513	1	06611178	1	06418619	1	06231669
2	13619026	2	13222356	2	12837238	2	12463338
3	20428540	3	19833534	3	19255858	3	18695008
4	27238053	4	26444712	4	25674477	4	24926677
5	34047566	5	33055890	5	32093097	5	31158346
6	40857080	6	39667068	6	38511716	6	37390016
7	47666593	7	46278246	7	44930336	7	43621685
8	54476107	8	52889424	8	51348955	8	49853355
9	61285620	9	59500602	9	57767575	9	56085024

TABLE III. Present Value of any Sum at £3 $\frac{1}{4}$ C. $\frac{1}{4}$ A. 47

17 Years.		18 Years.		19 Years.		20 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	06050164	1	05873946	1	05702860	1	05536757
2	12100328	2	11747892	2	11405720	2	11073515
3	18150493	3	17621838	3	17108580	3	16610272
4	24200657	4	23495784	4	22811441	4	22147030
5	30250822	5	29369730	5	28514301	5	27683787
6	36300986	6	35243676	6	34217161	6	33220545
7	42351151	7	41117622	7	39920021	7	38757302
8	48401315	8	46991568	8	45622882	8	44294060
9	54451480	9	52865514	9	51325742	9	49830817
21 Years.		22 Years.		23 Years.		24 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	05375492	1	05218925	1	05066917	1	04919337
2	10750985	2	10437850	2	10133834	2	09838674
3	16126478	3	15656775	3	15200752	3	14758011
4	21501971	4	20875700	4	20267669	4	19677349
5	26877463	5	26094625	5	25334587	5	24596686
6	32252956	6	31313550	6	30401504	6	29516023
7	37628449	7	36532475	7	35468422	7	34435361
8	43003942	8	41751400	8	40535339	8	39354698
9	48379434	9	46970325	9	45602257	9	44274035
25 Years.		26 Years.		27 Years.		28 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	04776055	1	04636947	1	04501890	1	04370767
2	09552111	2	09273894	2	09003781	2	08741535
3	14328167	3	13910841	3	13505671	3	13112302
4	19104222	4	18547789	4	18007562	4	17483070
5	23880278	5	23184736	5	22509452	5	21853837
6	28656334	6	27821683	6	27011343	6	26224605
7	33432389	7	32458630	7	31513233	7	30595372
8	38208445	8	37095578	8	36015124	8	34966140
9	42984501	9	41732525	9	40517015	9	39336907
29 Years.		30 Years.		31 Years.		32 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	04243463	1	04119867	1	03999871	1	03883370
2	08486927	2	08239735	2	07999742	2	07766740
3	12730390	3	12359602	3	11999614	3	11650111
4	16973854	4	16479470	4	15999485	4	15533481
5	21217318	5	20599337	5	19999357	5	19416851
6	25460781	6	24719205	6	23999228	6	23300222
7	29704245	7	28839073	7	27999100	7	27183592
8	33947708	8	32958940	8	31998971	8	31066962
9	38191172	9	37078808	9	35998843	9	34950333

48 COMPOUND INTEREST. TABLE III.

33 Years.		34 Years.		35 Years.		36 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	03770262	1	03660448	1	03553833	1	03450323
2	07540524	2	07320897	2	07107667	2	06900647
3	11310787	3	10981346	3	10661501	3	10350971
4	15081049	4	14641795	4	14215335	4	13801295
5	18851312	5	18302243	5	17769169	5	17251619
6	22621574	6	21962692	6	21323003	6	20701943
7	26391837	7	25623141	7	24876837	7	24152267
8	30162099	8	29283590	8	28430671	8	27602591
9	33932362	9	32944039	9	31984505	9	31052915
37 Years.		38 Years.		39 Years.		40 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	03349829	1	03252261	1	03157535	1	03065568
2	06699658	2	06504522	2	06315070	2	06131136
3	10049487	3	09756784	3	09472606	3	09196705
4	13399317	4	13009045	4	12630141	4	12262273
5	16749146	5	16261306	5	15787677	5	15327842
6	20098975	6	19513568	6	18945212	6	18393410
7	23448805	7	22765829	7	22102748	7	21458978
8	26798634	8	26018090	8	25260283	8	24524547
9	30148463	9	29270352	9	28417819	9	27590115
41 Years.		42 Years.		43 Years.		44 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	02976280	1	02889592	1	02805429	1	02723717
2	05952560	2	05779184	2	05610858	2	05447435
3	08928840	3	08668776	3	08416288	3	08171153
4	11905120	4	11558368	4	11221717	4	10894871
5	14881400	5	14447961	5	14027146	5	13618589
6	17857680	6	17337553	6	16832576	6	16342306
7	20833960	7	20227145	7	19638005	7	19066024
8	23810240	8	23116737	8	22443434	8	21789742
9	26786520	9	25986330	9	25248864	9	24513460
45 Years.		46 Years.		47 Years.		48 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	02644386	1	02567365	1	02492587	1	02419988
2	05288772	2	05134730	2	04985175	2	04839976
3	07933158	3	07702095	3	07477762	3	07259964
4	10577544	4	10269461	4	09970350	4	09679952
5	13221931	5	12836826	5	12462938	5	12099940
6	15866317	6	15404191	6	14955525	6	14519928
7	18510703	7	17971557	7	17448113	7	16939916
8	21155089	8	20538922	8	19940700	8	19359904
9	23799476	9	23106287	9	22433288	9	21779892

TABLE III. Present Value of any Sum at £3 $\frac{1}{4}$ C. $\frac{1}{4}$ A. 49

49 Years.		50 Years.		51 Years.		52 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	02349502	1	02281070	1	02214631	1	02150128
2	04699005	2	04562141	2	04429263	2	04300256
3	07038508	3	06843212	3	06643895	3	06450384
4	09398011	4	09124283	4	08858527	4	08600512
5	11747514	5	11405353	5	11073159	5	10750640
6	14097017	6	13686424	6	13287791	6	12900768
7	16446520	7	15967495	7	15502422	7	15050896
8	18796023	8	18248566	8	17717054	8	17201024
9	21145526	9	20529637	9	19931686	9	19351152
53 Years.		54 Years.		55 Years.		56 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	02087502	1	02026701	1	01967671	1	01910360
2	04175005	2	04053403	2	03935343	2	03820721
3	06262508	3	06080105	3	05903015	3	05731082
4	08350010	4	08106807	4	07870686	4	07641443
5	10437513	5	10133509	5	09838358	5	09551804
6	12525016	6	12160211	6	11806030	6	11462165
7	14612519	7	14186913	7	13773701	7	13372520
8	16700021	8	16213614	8	15741373	8	15282887
9	18787524	9	18240316	9	17709045	9	17193247
57 Years.		58 Years.		59 Years.		60 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	01854719	1	01806983	1	01748250	1	01697330
2	03719438	2	03613967	2	03496501	2	03394661
3	05564157	3	05420950	3	05244752	3	05091992
4	07418877	4	07227934	4	06993003	4	06789323
5	09273596	5	09034917	5	08741254	5	08486654
6	11128315	6	10841901	6	10489504	6	10183985
7	12983034	7	12648884	7	12237755	7	11881316
8	14837754	8	14455906	8	13986005	8	13578647
9	16692473	9	16262851	9	15734257	9	15275978
70 Years.		80 Years.		90 Years.		100 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	01262973	1	00939771	1	00699277	1	00520328
2	02525947	2	01879542	2	01398555	2	01040657
3	03788920	3	02819313	3	02097833	3	01560985
4	05051894	4	03759084	4	02797111	4	02081314
5	06314867	5	04698855	5	03496389	5	02601642
6	01577841	6	05638626	6	04195666	6	03121971
7	08840815	7	06578397	7	04894945	7	03642299
8	10103788	8	07518168	8	05594222	8	04162628
9	11366762	9	08457939	9	06293500	9	04682956

50 COMPOUND INTEREST. TABLE IV.

1 Year.		2 Years.		3 Years.		4 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	10000000	1	20300000	1	3090900	1	4183627
2	20000000	2	40600000	2	6181800	2	8367254
3	30000000	3	60900000	3	9272700	3	12550881
4	40000000	4	81200000	4	12363600	4	16734508
5	50000000	5	101500000	5	15454500	5	20918135
6	60000000	6	121800000	6	18545400	6	25101762
7	70000000	7	142100000	7	21636300	7	29285389
8	80000000	8	162400000	8	24727200	8	33469016
9	90000000	9	182700000	9	27818100	9	37652643
5 Years.		6 Years.		7 Years.		8 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	5309135	1	6468409	1	7662462	1	8892336
2	10618271	2	12936819	2	15324924	2	17784672
3	15927407	3	19405229	3	22987386	3	26677008
4	21236543	4	25873639	4	30649848	4	35569344
5	26545679	5	32342049	5	38312310	5	44461680
6	31854814	6	38810459	6	45974773	6	53354016
7	37163950	7	45278869	7	53637235	7	62246352
8	42473086	8	51747279	8	61299697	8	71138688
9	47782222	9	58215688	9	68962159	9	80031024
9 Years.		10 Years.		11 Years.		12 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	10159061	1	11463879	1	12807795	1	14192029
2	20318122	2	22927758	2	25615591	2	28384059
3	30477183	3	34391637	3	38423387	3	42576088
4	40636245	4	45855517	4	51231182	4	56768118
5	50795306	5	57319396	5	64038978	5	70960147
6	60954367	6	68783275	6	76846774	6	85152177
7	71113428	7	80247155	7	89654569	7	99344206
8	81272490	8	91711034	8	102462365	8	113536236
9	91431551	9	103174913	9	115270161	9	127728266
13 Years.		14 Years.		15 Years.		16 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	15617790	1	17086324	1	18598913	1	20156881
2	31235580	2	34172648	2	37197827	2	40313762
3	46853371	3	51258972	3	55796741	3	60470643
4	62471161	4	68345296	4	74395655	4	80627525
5	78088952	5	85431620	5	92994569	5	100784406
6	93706742	6	102517944	6	111593483	6	120941287
7	109324533	7	119604269	7	130192397	7	141098169
8	124942323	8	136690593	8	148791310	8	161255050
9	140560114	9	153776917	9	167390224	9	181411931

TABLE IV. Amount of any yearly Sum at £3 $\frac{1}{4}$ C. $\frac{1}{4}$ A. 51

17 Years.		18 Years.		19 Years.		20 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	21761587	1	23414435	1	25116868	1	26870374
2	43523175	2	46828870	2	50233736	2	53740748
3	65284763	3	70243306	3	75350605	3	80611123
4	87046350	4	93657741	4	100467473	4	107481497
5	108807938	5	117072176	5	125584342	5	134351872
6	130569526	6	140486612	6	150701210	6	161222246
7	152331114	7	163901047	7	175818079	7	188092621
8	174092701	8	187315483	8	200934947	8	214962995
9	152331115	9	210729918	9	226051815	9	241833370
21 Years.		22 Years.		23 Years.		24 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	28676485	1	30536780	1	32452883	1	34426470
2	57352971	2	61073560	2	64905767	2	68852940
3	86029457	3	91610340	3	97358651	3	103279410
4	114705942	4	122147121	4	129811534	4	137705880
5	143382428	5	152683901	5	162264418	5	172132351
6	172058914	6	183220681	6	194717302	6	206558821
7	200735400	7	213757462	7	227170185	7	240985291
8	229411885	8	244294242	8	259623060	8	275411761
9	258088371	9	274831022	9	292075952	9	309838231
25 Years.		26 Years.		27 Years.		28 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	36459264	1	38553042	1	40709633	1	42930922
2	72918528	2	77106084	2	81419267	2	85861845
3	109377793	3	115659126	3	122128900	3	128792767
4	145837057	4	154212168	4	162838534	4	171723690
5	182296321	5	192765211	5	203548167	5	214654612
6	218755585	6	231318253	6	244257801	6	257585535
7	255214850	7	269871295	7	284967434	7	300516457
8	291674114	8	308424337	8	325677068	8	343447380
9	328133378	9	346977379	9	366386701	9	386378302
29 Years.		30 Years.		31 Years.		32 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	45218850	1	47575415	1	50002678	1	52502758
2	90437700	2	95150831	2	100005356	2	105005517
3	135656550	3	142726247	3	150008034	3	157508275
4	180875400	4	190301662	4	200010712	4	210011034
5	226094251	5	237877078	5	250013390	5	262513792
6	271313101	6	285452494	6	300016068	6	315016551
7	316531951	7	333027909	7	350018746	7	367519309
8	361750801	8	380603325	8	400021424	8	420022068
9	406969651	9	428179641	9	450024102	9	472524826

52 COMPOUND INTEREST. TABLE IV.

33 Years.		34 Years.		35 Years.		36 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	55077841	1	57730176	1	60462081	1	63275944
2	110155682	2	115460353	2	120924163	2	126551888
3	165233523	3	173190529	3	181386245	3	189827832
4	220311365	4	230920706	4	241848327	4	253103776
5	275389206	5	286650882	5	302310409	5	316379721
6	330467047	6	346381059	6	362772490	6	379655665
7	385544888	7	404111235	7	423234572	7	442931609
8	440622730	8	461841412	8	483696654	8	506207553
9	495700571	9	519571588	9	544158736	9	569483498
37 Years.		38 Years.		39 Years.		40 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	66174222	1	69159449	1	72234232	1	75401259
2	132348445	2	138318898	2	144468465	2	150802519
3	198522667	3	207478347	3	216702698	3	226203779
4	264696890	4	276637796	4	288936930	4	301605038
5	330871112	5	345797246	5	361171163	5	377006298
6	397045335	6	414956695	6	433405396	6	452407558
7	463219557	7	484116144	7	505639629	7	527808817
8	529393780	8	553275593	8	577873861	8	603210077
9	595568002	9	622435042	9	650108094	9	678611337
41 Years.		42 Years.		43 Years.		44 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	78663297	1	82023196	1	85483892	1	89048409
2	157326595	2	164046392	2	170967784	2	178096818
3	235989892	3	246069589	3	256451676	3	267145227
4	314653190	4	328092785	4	341935569	4	356193636
5	393316487	5	410115982	5	427419461	5	445242045
6	471979785	6	492139178	6	512903353	6	534290454
7	550643082	7	574162374	7	598387246	7	623338863
8	629306380	8	656185571	8	683871138	8	712387272
9	707969677	9	738208767	9	769355030	9	801435681
45 Years.		46 Years.		47 Years.		48 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	92719861	1	96501457	1	100396501	1	104408396
2	185439722	2	193002914	2	200793002	2	208816792
3	278159584	3	289504371	3	301189503	3	313225188
4	370879445	4	386005828	4	401586004	4	417633584
5	463599307	5	482507286	5	501982505	5	522041980
6	556319168	6	579008743	6	602379006	6	626450376
7	649039029	7	675510200	7	702775507	7	730858772
8	741758891	8	772011657	8	803172008	8	835267168
9	834478752	9	868513114	9	903568509	9	939675564

TABLE IV. Amount of any yearly Sum at £3 $\frac{1}{4}$ C. $\frac{1}{4}$ A. 53

49 Years.		50 Years.		51 Years.		52 Years.	
£	uxc Pts.	£	uxc Pts.	£	uxc Pts.	£	uxc Pts.
1	108540648	1	11279686	1	11718077	1	12169619
2	217081296	2	22559373	2	23436154	2	24339239
3	325621944	3	33839060	3	35154231	3	36508858
4	434162592	4	45118746	4	46872309	4	48678478
5	542703240	5	56398433	5	58590386	5	60848098
6	651243888	6	67678120	6	70308463	6	73017717
7	759784536	7	78957806	7	82026541	7	85187337
8	868325184	8	90237493	8	93744618	8	97356956
9	976865832	9	101517180	9	105462695	9	109526576
53 Years.		54 Years.		55 Years.		56 Years.	
£	uxc Pts.	£	uxc Pts.	£	uxc Pts.	£	uxc Pts.
1	12634708	1	13113749	1	13607162	1	14115376
2	25269416	2	26227499	2	27214324	2	28230753
3	37904124	3	39341248	3	40821486	3	42346130
4	50538832	4	52454998	4	54428648	4	56461507
5	63173541	5	65568747	5	68035810	5	70576884
6	75808249	6	78682497	6	81642972	6	84692260
7	88442957	7	91796246	7	95250134	7	98807637
8	101077665	8	104909996	8	108857296	8	112923014
9	113712373	9	118023745	9	122464458	9	127038391
57 Years.		58 Years.		59 Years.		60 Years.	
£	uxc Pts.	£	uxc Pts.	£	uxc Pts.	£	uxc Pts.
1	14638838	1	15178003	1	15733343	1	16305343
2	29277676	2	30356006	2	31466686	2	32610687
3	43916514	3	45534009	3	47200030	3	48916031
4	58555352	4	60712013	4	62933373	4	65221374
5	73194190	5	75890016	5	78666717	5	81526718
6	87833028	6	91068019	6	94400060	6	97832062
7	102471866	7	106246023	7	110133403	7	114137405
8	117110704	8	121424026	8	125866747	8	130442749
9	131749542	9	136602029	9	141600090	9	146748093
70 Years.		80 Years.		90 Years.		100 Years.	
£	uxc Pts.	£	uxc Pts.	£	uxc Pts.	£	uxc Pts.
1	23059406	1	32136301	1	44334890	1	60728773
2	46118812	2	64272603	2	88669780	2	121457546
3	69178219	3	96408905	3	133004670	3	182186319
4	92237625	4	128545207	4	177339561	4	242915093
5	115297032	5	160681509	5	221674451	5	303643866
6	138356438	6	192817810	6	266009341	6	364372639
7	161415844	7	224954112	7	310344232	7	425101413
8	184475251	8	257090414	8	354679122	8	485830186
9	207534657	9	289226716	9	399014012	9	546558050

54 COMPOUND INTEREST. TABLE V.

1 Year.		2 Years.		3 Years.		4 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	097087378	1	19134696	1	28286113	1	37170984
2	194174757	2	38269393	2	56572227	2	74341968
3	291262135	3	57404090	3	84858340	3	111512953
4	388349514	4	76538787	4	113144454	4	148683937
5	485436893	5	95673484	5	141430567	5	185854921
6	582524271	6	114808181	6	169716681	6	223025906
7	679611650	7	133942878	7	198002794	7	260196890
8	776699029	8	153077575	8	226288908	8	297367874
9	873786407	9	172212272	9	254575021	9	334538859
5 Years.		6 Years.		7 Years.		8 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	45797074	1	54171914	1	62302829	1	70196921
2	91594149	2	108343829	2	124605659	2	140393843
3	137391224	3	162515744	3	186908489	3	210590765
4	183188298	4	216687658	4	249211319	4	280787687
5	228985373	5	270859573	5	311514149	5	350984609
6	274782448	6	325031488	6	373816978	6	421181531
7	320579523	7	379203403	7	436119808	7	491378453
8	366376597	8	433375317	8	498422638	8	561575375
9	412173672	9	487547232	9	560725468	9	631772297
9 Years.		10 Years.		11 Years.		12 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	77861089	1	85302028	1	92526241	1	99540040
2	155722178	2	170604056	2	185052482	2	199080080
3	233583268	3	255906084	3	277578723	3	298620121
4	311444357	4	341208113	4	370104964	4	398160161
5	389305447	5	426510141	5	462631205	5	497700202
6	467166536	6	511812169	6	555157447	6	597240242
7	545027626	7	597114198	7	647683688	7	696780282
8	622888715	8	682416226	8	740209929	8	796320323
9	700749805	9	767718254	9	832736170	9	895860363
13 Years.		14 Years.		15 Years.		16 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	106349554	1	11296073	1	11937935	1	12561102
2	212699108	2	22592146	2	23875870	2	25122204
3	319048662	3	33888219	3	35813805	3	37683306
4	425398217	4	45184292	4	47751740	4	50244408
5	531747771	5	56480365	5	59689676	5	62805510
6	638097325	6	67776439	6	71627611	6	75366612
7	744446880	7	79072512	7	83565546	7	87927714
8	850796434	8	90368585	8	95503481	8	100488816
9	957145988	9	101664658	9	107441416	9	113049918

TABLE V. Present Value of any yearly Sum £34⁰ C. 4⁰ A 55

17 Years.		18 Years.		19 Years.		20 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	13166118	1	13753513	1	14323799	1	14877474
2	26332237	2	27507026	2	28647598	2	29754949
3	39498356	3	41260539	3	42971397	3	44632424
4	52664474	4	55014052	4	57295196	4	59509899
5	65830593	5	68767565	5	71618995	5	74387374
6	78996712	6	82521078	6	85942794	6	89264849
7	92162831	7	96274591	7	100266493	7	104142324
8	105328949	8	110028104	8	114590393	8	119019799
9	118495068	9	123781617	9	128914192	9	133897274
21 Years.		22 Years.		23 Years.		24 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	15415024	1	15936916	1	16443608	1	16935541
2	30830048	2	31873833	2	32887216	2	33871083
3	46245072	3	47810750	3	49330825	3	50806625
4	61660096	4	63747666	4	65774433	4	67742166
5	77075120	5	79684583	5	82218042	5	84677708
6	92490144	6	95621500	6	98661650	6	101613250
7	107905169	7	111558416	7	115105259	7	118548791
8	123320193	8	127495333	8	131548867	8	135484333
9	138735217	9	143432250	9	147992476	9	152419875
25 Years.		26 Years.		27 Years.		28 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	17413147	1	17876842	1	18327031	1	18764108
2	34826295	2	35753684	2	36654063	2	37528216
3	52239443	3	53630526	3	54981094	3	56292324
4	69652591	4	71507368	4	73308126	4	75056432
5	87065738	5	89384211	5	91635157	5	93820540
6	104478886	6	107261053	6	109962189	6	112584648
7	121892034	7	125137895	7	128289220	7	131348756
8	139305182	8	143014737	8	146616252	8	150112864
9	156718329	9	160891580	9	164943283	9	168876972
29 Years.		30 Years.		31 Years.		32 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	19188454	1	19600441	1	20000428	1	20388765
2	38376909	2	39200882	2	40000857	2	40777531
3	57565363	3	58801324	3	60001286	3	61166297
4	76753818	4	78401765	4	80001715	4	81555063
5	95942273	5	98002206	5	100002144	5	101943829
6	115130727	6	117602648	6	120002573	6	122332595
7	134319182	7	137203089	7	140003001	7	142721361
8	153507637	8	156803530	8	160003430	8	163110127
9	172696091	9	176403972	9	180003859	9	183498893

56 COMPOUND INTEREST. TABLEV.

33 Years.		34 Years.		35 Years.		36 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	20765792	1	21131836	1	21487220	1	21832252
2	41531584	2	42263673	2	42974440	2	43664505
3	62297376	3	63395510	3	64461660	3	65496758
4	83063168	4	84527346	4	85948880	4	87329010
5	103828960	5	105659183	5	107436100	5	109161263
6	124594752	6	126791020	6	128923320	6	130993516
7	145360545	7	147922856	7	150410540	7	152825768
8	166126337	8	169054693	8	171897760	8	174658021
9	186892129	9	190186530	9	193384980	9	196490274
37 Years.		38 Years.		39 Years.		40 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	22167236	1	22492462	1	22808215	1	23114772
2	44334472	2	44984924	2	45616431	2	46229545
3	66501708	3	67477386	3	68424647	3	69344317
4	88668944	4	89969848	4	91232863	4	92459090
5	110836180	5	112462310	5	114041078	5	115573863
6	133003416	6	134954772	6	136849294	6	138688635
7	155170652	7	157447235	7	159657510	7	161803208
8	177337888	8	179939697	8	182465725	8	184918180
9	199505124	9	202432159	9	205273941	9	208032953
41 Years.		42 Years.		43 Years.		44 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	23412400	1	23701358	1	23981902	1	24254273
2	46824800	2	47402717	2	47963804	2	48508547
3	70237200	3	71104076	3	71945706	3	72762820
4	93649600	4	94805435	4	95927608	4	97017094
5	117062000	5	118506793	5	119909510	5	121271368
6	140474400	6	142208152	6	143891412	6	145525641
7	163886801	7	165909511	7	167873314	7	169779915
8	187299201	8	189610870	8	191855216	8	194034189
9	210711601	9	213312229	9	215837118	9	218288462
45 Years.		46 Years.		47 Years.		48 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	24518712	1	24775449	1	25024707	1	25266706
2	49037425	2	49550898	2	50049415	2	50533413
3	73556138	3	74326347	3	75074123	3	75800120
4	98074850	4	99101796	4	100098831	4	101066826
5	122593563	5	123877245	5	125123539	5	126333533
6	147112276	6	148652694	6	150148247	6	151600240
7	171630989	7	173428143	7	175172955	7	176866946
8	196149701	8	198203592	8	200197662	8	202133653
9	220668414	9	222979041	9	225222370	9	227400360

TABLE V. Present Value of any yearly Sum £300 C. 457

49 Years.		50 Years.		51 Years.		52 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	25501656	1	25729763	1	25951227	1	26166240
2	51003313	2	51459527	2	51902454	2	52332480
3	76504970	3	77189291	3	77853681	3	78498720
4	102006627	4	102919055	4	103804908	4	104664960
5	127508284	5	128648819	5	129756135	5	130831200
6	153009941	6	154378583	6	155707362	6	156997440
7	178511598	7	180108347	7	181658589	7	183163680
8	204013255	8	205838111	8	207609817	8	209329920
9	229514912	9	231567875	9	233561044	9	235496161
53 Years.		54 Years.		55 Years.		56 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	26374990	1	26577660	1	26774427	1	26965463
2	52749980	2	53155321	2	53548855	2	53930927
3	79124970	3	79732982	3	80323283	3	80896391
4	105499960	4	106310642	4	107097710	4	107861854
5	131874951	5	132888303	5	133872138	5	134827318
6	158249941	6	159465964	6	160646566	6	161792782
7	184624938	7	186043624	7	187420993	7	188758245
8	210999921	8	212621285	8	214195421	8	215723709
9	237374911	9	239198946	9	240969849	9	242689173
57 Years.		58 Years.		59 Years.		60 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	27150935	1	27331005	1	27505830	1	27675563
2	54301871	2	54662011	2	55011661	2	55351127
3	81452806	3	81993016	3	82517492	3	83026691
4	108603742	4	109324022	4	110023323	4	110702254
5	135754678	5	136655027	5	137529154	5	138377818
6	162905613	6	163986033	6	165034985	6	166053382
7	190056549	7	191317038	7	192540816	7	193728945
8	217207484	8	218648044	8	220046647	8	221404509
9	244358420	9	245979050	9	247552478	9	249080073
70 Years.		80 Years.		90 Years.		100 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	29123420	1	30200764	1	31002407	1	31598908
2	58246841	2	60401528	2	62004814	2	63197816
3	87370261	3	90602292	3	93007221	3	94796725
4	116493682	4	120803056	4	124009628	4	126395633
5	145617102	5	151003821	5	155012035	5	157994542
6	174740523	6	181204585	6	186014442	6	189593450
7	203863943	7	211405349	7	217016849	7	221192358
8	232987364	8	241606113	8	248019256	8	252791267
9	262110784	9	271806877	9	279021663	9	284390175

38 COMPOUND INTEREST. TABLE VI.

1 Year.		2 Years.		3 Years.		4 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	10400000	1	10816000	1	11248640	1	11698585
2	20800000	2	21632000	2	22497280	2	23397171
3	31200000	3	32448000	3	33745920	3	35095756
4	41600000	4	43264000	4	44994560	4	46794342
5	52000000	5	54080000	5	56243200	5	58492928
6	62400000	6	64896000	6	67491840	6	70191513
7	72800000	7	75712000	7	78740480	7	81890099
8	83200000	8	86528000	8	89989120	8	93588684
9	93600000	9	97344000	9	101237760	9	105287270
5 Years.		6 Years.		7 Years.		8 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	12166530	1	12653190	1	13159317	1	13685690
2	24333058	2	25306380	2	26318635	2	27371381
3	36499587	3	37959570	3	39477953	3	41057074
4	48666116	4	50612760	4	52637271	4	54742762
5	60832645	5	63265950	5	65796588	5	68428452
6	72999174	6	75919141	6	78955906	6	82114143
7	85165703	7	88572331	7	92115224	7	95799833
8	97332232	8	101225521	8	105274542	8	109485524
9	109498761	9	113878711	9	118433860	9	123171214
9 Years.		10 Years.		11 Years.		12 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	14233118	1	14802442	1	15394540	1	16010322
2	28466236	2	29604885	2	30789081	2	32020644
3	42699354	3	44407328	3	46183621	3	48030966
4	56932472	4	59209771	4	61578162	4	64041288
5	71165590	5	74012214	5	76972702	5	80051610
6	85398708	6	88814657	6	92367243	6	96061933
7	99631826	7	103617098	7	107761783	7	112072255
8	113864945	8	118419537	8	123156324	8	128082577
9	128098063	9	133221985	9	138550864	9	144092899
13 Years.		14 Years.		15 Years.		16 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	16650735	1	17316764	1	18009435	1	18729812
2	33301470	2	34633528	2	36018870	2	37459624
3	49952205	3	51950293	3	54028305	3	56189437
4	66602940	4	69267057	4	72037740	4	74919249
5	83253675	5	86583822	5	90047174	5	93649061
6	99904410	6	103900586	6	108056610	6	112378874
7	116555145	7	121217350	7	126066044	7	131108686
8	133205880	8	138534115	8	144075480	8	149838499
9	149856615	9	155850879	9	162084915	9	168568311

TABLE VI. Amount of any Sum at £ 4 $\frac{1}{2}$ C. $\frac{1}{2}$ A. 59

17 Years.		18 Years.		19 Years.		20 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	19479005	1	20258165	1	21068491	1	21911231
2	38958009	2	40516330	2	42136983	2	43822462
3	58437014	3	60774495	3	63205475	3	65733693
4	77916020	4	81032660	4	84273966	4	87644925
5	97395024	5	101290825	5	105342458	5	109556158
6	116874030	6	121548990	6	126410950	6	131467390
7	136353034	7	141807155	7	147479441	7	153378620
8	155832038	8	162065320	8	168547933	8	175289851
9	175311044	9	182323485	9	189616425	9	197201083
21 Years.		22 Years.		23 Years.		24 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	22787680	1	23699187	1	24647155	1	25633041
2	45575361	2	47398375	2	49294310	2	51266083
3	68363041	3	71097563	3	73941465	3	76899124
4	91150722	4	94796751	4	98588621	4	102532166
5	113938402	5	118495939	5	123235776	5	128165207
6	136726083	6	142195126	6	147882931	6	153798250
7	159513763	7	165894314	7	172530087	7	179431290
8	182301444	8	189593502	8	197177242	8	205064332
9	205089125	9	213292690	9	221824397	9	230697373
25 Years.		26 Years.		27 Years.		28 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	26658363	1	27724697	1	28833685	1	29987033
2	53316726	2	55449395	2	57667371	2	59974065
3	79975089	3	83174092	3	86501056	3	89961098
4	106633452	4	110898790	4	115334742	4	119948131
5	133291815	5	138623488	5	144168427	5	149935164
6	159950178	6	166348185	6	173002113	6	179922197
7	186608541	7	194072883	7	201835798	7	209909230
8	213266904	8	221797580	8	230669484	8	239896263
9	239925267	9	249522278	9	259503170	9	269883296
29 Years.		30 Years.		31 Years.		32 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	31186514	1	32433974	1	33731333	1	35080587
2	62373028	2	64867950	2	67462667	2	70161174
3	93559542	3	97301924	3	101194001	3	105241761
4	124746056	4	129735898	4	134925334	4	140322348
5	155932571	5	162169873	5	168656668	5	175402935
6	187119085	6	194603848	6	202388002	6	210483522
7	218305599	7	227037822	7	236119335	7	245564109
8	249492113	8	259471800	8	269850670	8	280644700
9	280678627	9	291905772	9	303582004	9	315725283

60 COMPOUND INTEREST. TABLE VI.

33 Years.		34 Years.		35 Years.		36 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	36483810	1	37943162	1	39460890	1	41039325
2	72967620	2	75886325	2	78921778	2	82078651
3	109451430	3	113829488	3	118382668	3	123117976
4	145935241	4	151772651	4	157843557	4	164157304
5	182419052	5	189715814	5	197304447	5	205196628
6	218902862	6	227658977	6	236765336	6	246235953
7	255386673	7	255602140	7	276226225	7	287275280
8	291870483	8	303545305	8	315687115	8	328314604
9	328354293	9	341488466	9	355148004	9	369353930
37 Years.		38 Years.		39 Years.		40 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	42680898	1	44388134	1	46163660	1	48010206
2	85361797	2	88776269	2	92327320	2	96020412
3	128042695	3	133164403	3	138490980	3	144030619
4	170723594	4	177552538	4	184654640	4	192040825
5	213404493	5	221940672	5	230818300	5	240051032
6	256085391	6	266328807	6	276981960	6	288061238
7	298766290	7	310716941	7	323145620	7	336071444
8	341447189	8	355105076	8	369309280	8	384081651
9	384128087	9	399493211	9	415472940	9	432091857
41 Years.		42 Years.		43 Years.		44 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	49930614	1	51927840	1	54004952	1	56165151
2	99861229	2	103855678	2	108009905	2	112330301
3	149791843	3	155783517	3	162014858	3	168495452
4	199722458	4	207711357	4	216019811	4	224660603
5	249653073	5	259639196	5	270024764	5	280825754
6	299583687	6	311567035	6	324029716	6	336990905
7	349514302	7	363494874	7	378034670	7	393156056
8	399444917	8	415422715	8	432039622	8	449321207
9	449375532	9	467350553	9	486044575	9	505486358
45 Years.		46 Years.		47 Years.		48 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	58411757	1	60748230	1	63178160	1	65705286
2	116823514	2	121496456	2	126356320	2	131410572
3	175235271	3	182244684	3	189534480	3	197115860
4	233647028	4	242992912	4	252712640	4	262821145
5	292058785	5	303741140	5	315890800	5	328526432
6	350470542	6	364489368	6	379068960	6	394231718
7	408882300	7	425237596	7	442247120	7	459937004
8	467294056	8	485985824	8	505425280	8	525642291
9	525705813	9	546734052	9	568603440	9	591347577

TABLE VI. Amount of any Sum at £4 $\frac{1}{2}$ C. $\frac{1}{2}$ A. 61

49 Years.		50 Years.		51 Years.		52 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	68333498	1	71066838	1	73909512	1	76865893
2	136666996	2	142133677	2	147819025	2	153731786
3	205000494	3	213200516	3	221728537	3	230597680
4	273333992	4	284267355	4	295638050	4	307463572
5	341667490	5	355334194	5	369547562	5	384329465
6	410000988	6	426401033	6	443457075	6	461195358
7	478334486	7	497467872	7	517366587	7	538061251
8	546667984	8	568534711	8	591276100	8	614927144
9	615001482	9	639601550	9	665185612	9	691793037
53 Years.		54 Years.		55 Years.		56 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	79940528	1	83138149	1	86463675	1	89922222
2	159881057	2	166276299	2	172927351	2	179844445
3	239821586	3	249414450	3	259391027	3	269766668
4	319762114	4	332552600	4	345854702	4	359688890
5	399702643	5	415690750	5	432318378	5	449611113
6	479643172	6	498828898	6	518782054	6	539533336
7	559583700	7	581967048	7	605245730	7	629455558
8	639524229	8	665105198	8	691709405	8	719377781
9	719464758	9	748243348	9	778173081	9	809300004
57 Years.		58 Years.		59 Years.		60 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	93519111	1	97259876	1	101150271	1	105196281
2	187038222	2	194519752	2	202300542	2	210392562
3	280557333	3	291779628	3	303450813	3	315588843
4	374076444	4	389039504	4	404601084	4	420785124
5	467595555	5	486299380	5	505751355	5	525981405
6	561114666	6	583559256	6	606901626	6	631177686
7	654633777	7	680819132	7	708051897	7	736373967
8	748152888	8	778079008	8	809202168	8	841570248
9	841671999	9	875338884	9	910352439	9	946766529
70 Years.		80 Years.		90 Years.		100 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	15571618	1	23049806	1	34119342	1	50504960
2	31143236	2	46099612	2	68238684	2	101009920
3	46714855	3	69149418	3	102358027	3	151514880
4	62286473	4	92199224	4	136477369	4	202019840
5	77858092	5	115249030	5	170596712	5	252524800
6	93429710	6	138298836	6	204716054	6	303029760
7	109001328	7	161348642	7	238835396	7	353534720
8	124572947	8	184398448	8	272954739	8	404039680
9	140144565	9	207448254	9	307074081	9	454544640

62 COMPOUND INTEREST. TABLE VII.

1 Year.		2 Years.		3 Years.		4 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	09615384	1	09245562	1	08889963	1	08548041
2	19230769	2	18491124	2	17779927	2	17096083
3	28846153	3	27736686	3	26669890	3	25644125
4	38461538	4	36982248	4	35559854	4	34192167
5	48076923	5	46227810	5	44449817	5	42740209
6	57692307	6	55473372	6	53339781	6	51288251
7	67307692	7	64718934	7	62229744	7	59836293
8	76923076	8	73964496	8	71119708	8	68384334
9	86538461	9	83210058	9	80009671	9	76932376
5 Years.		6 Years.		7 Years.		8 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	08219270	1	07903145	1	07599178	1	07306902
2	16438540	2	15806290	2	15198357	2	14613804
3	24657811	3	23709436	3	22797535	3	21920706
4	32877081	4	31612581	4	30396714	4	29227609
5	41096352	5	39515726	5	37995892	5	36534511
6	49315622	6	47418872	6	45595071	6	43841413
7	57534892	7	55322017	7	53194250	7	51148316
8	65754163	8	63225163	8	60793428	8	58455218
9	73973433	9	71128308	9	68392607	9	65762120
9 Years.		10 Years.		11 Years.		12 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	07025867	1	06755642	1	06495810	1	06245970
2	14051734	2	13511284	2	12991620	2	12491941
3	21077602	3	20266926	3	19487428	3	18737911
4	28103470	4	27022568	4	25983238	4	24983882
5	35129336	5	33778210	5	32479047	5	31229852
6	42155204	6	40533852	6	38974857	6	37475823
7	49181071	7	47289494	7	45470666	7	43721793
8	56206938	8	54045136	8	51966476	8	49967764
9	63232806	9	60800778	9	58462286	9	56213735
13 Years.		14 Years.		15 Years.		16 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	06005740	1	05774750	1	05552645	1	05339081
2	12011481	2	11549501	2	11105290	2	10678163
3	18017222	3	17324252	3	16657935	3	16017245
4	24022963	4	23099003	4	22210580	4	21356327
5	30028704	5	28873754	5	27763225	5	26695409
6	36034445	6	34648505	6	33315870	6	32034491
7	42040186	7	40423256	7	38868515	7	37373573
8	48045927	8	46198007	8	44421160	8	42712655
9	54051667	9	51972758	9	49973805	9	48051736

TABLE VII. Present Value of any Sum at $\text{£}4\frac{1}{2}\%$ C. P. A. 63

17 Years.		18 Years.		19 Years.		20 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	05133732	1	04936281	1	04746424	1	04563869
2	10267464	2	09872562	2	09492848	2	09127739
3	15401197	3	14808843	3	14239273	3	13691608
4	20534930	4	19745124	4	18985697	4	18255478
5	25668662	5	24681406	5	23732122	5	22819347
6	30802394	6	29617687	6	28478546	6	27383217
7	35936127	7	34553968	7	33224970	7	31947086
8	41069860	8	39490250	8	37971395	8	36510956
9	46203591	9	44426531	9	42717819	9	41074825
21 Years.		22 Years.		23 Years.		24 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	04388336	1	04219554	1	04057263	1	03901214
2	08776672	2	08439108	2	08114526	2	07802429
3	13165008	3	12658662	3	12171790	3	11703644
4	17553344	4	16878216	4	16229053	4	15604859
5	21941680	5	21097770	5	20286317	5	19506074
6	26330016	6	25317324	6	24343580	6	23407289
7	30718353	7	29536878	7	28400843	7	27308503
8	35106689	8	33756432	8	32458107	8	31209718
9	39495025	9	37975986	9	36515370	9	35110933
25 Years.		26 Years.		27 Years.		28 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	03751168	1	03606892	1	03468165	1	03334774
2	07502336	2	07213784	2	06936331	2	06669549
3	11253504	3	10820677	3	10404497	3	10004324
4	15004672	4	14427569	4	13872663	4	13339098
5	18755840	5	18034462	5	17340828	5	16673873
6	22507008	6	21641354	6	20808994	6	20008648
7	26258176	7	25248247	7	24277160	7	23343423
8	30009344	8	28855139	8	27745326	8	26678197
9	33760512	9	32462031	9	31213492	9	30012972
29 Years.		30 Years.		31 Years.		32 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	03206514	1	03083186	1	02964602	1	02850579
2	06413028	2	06166373	2	05929205	2	05701158
3	09619542	3	09249560	3	08893808	3	08551738
4	12826056	4	12332747	4	11858410	4	11402317
5	16032571	5	15415933	5	14823013	5	14252897
6	19239085	6	18499120	6	17787616	6	17103476
7	22445599	7	21582307	7	20752218	7	19954056
8	25652113	8	24665494	8	23716821	8	22804635
9	28858627	9	27748681	9	26681424	9	25655214

64 COMPOUND INTEREST. TABLE VII.

33 Years.		34 Years.		35 Years.		36 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	02740941	1	02635520	1	02534154	1	02436687
2	05481883	2	05271041	2	05068309	2	04873374
3	08222825	3	07906562	3	07602464	3	07310061
4	10963767	4	10542083	4	10136618	4	09746748
5	13704709	5	13177604	5	12670773	5	12183436
6	16445650	6	15813125	6	15204928	6	14620123
7	19186592	7	18448646	7	17739082	7	17056810
8	21927534	8	21084167	8	20273237	8	19493497
9	24668476	9	23719688	9	22807392	9	21930185
37 Years.		38 Years.		39 Years.		40 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	02342968	1	02252854	1	02166206	1	02082890
2	04685937	2	04505708	2	04332412	2	04165780
3	07028905	3	06758562	3	06498618	3	06248671
4	09371874	4	09011417	4	08664824	4	08331561
5	11714842	5	11264271	5	10831030	5	10414452
6	14057811	6	13517125	6	12997236	6	12497342
7	16400779	7	15769980	7	15163442	7	14580233
8	18743748	8	18022834	8	17329648	8	16663123
9	21086716	9	20275688	9	19495854	9	18746014
41 Years.		42 Years.		43 Years.		44 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	02002779	1	01925749	1	01851682	1	01780463
2	04005558	2	03851498	2	03703364	2	03560926
3	06008337	3	05777247	3	05555046	3	05341390
4	08011117	4	07702997	4	07406728	4	07121854
5	10013896	5	09628746	5	09258410	5	08902317
6	12016675	6	11554495	6	11110092	6	10682780
7	14019455	7	13480244	7	12961774	7	12463244
8	16022234	8	15405994	8	14813456	8	14243707
9	18025013	9	17331743	9	16665138	9	16024171
45 Years.		46 Years.		47 Years.		48 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	01711984	1	01646138	1	01582825	1	01521947
2	03423968	2	03292276	2	03165650	2	03043895
3	05135952	3	04938415	3	04748476	3	04565842
4	06847936	4	06584554	4	06331301	4	06087790
5	08559920	5	08230692	5	07914127	5	07609737
6	10271904	6	09876831	6	09496952	6	09131685
7	11983888	7	11522970	7	11079777	7	10653633
8	13695872	8	13169107	8	12662603	8	12175580
9	15407856	9	14815246	9	14245430	9	13697528

TABLE VII. Present Value of any Sum at $\text{£}4\frac{1}{2}\%$ C. $\text{P. A. } 65$

49 Years.		50 Years.		51 Years.		52 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	01463411	1	01407126	1	01353005	1	01300967
2	02926822	2	02814252	2	02706011	2	02601934
3	04390233	3	04221378	3	04059017	3	03902901
4	05853644	4	05628504	4	05412023	4	05203868
5	07317055	5	07035630	5	06765029	5	06504835
6	08780466	6	08442756	6	08118034	6	07805802
7	10243877	7	09849882	7	09471040	7	09106769
8	11707288	8	11257008	8	10824046	8	10407737
9	13170699	9	12664134	9	12177052	9	11708704
53 Years.		54 Years.		55 Years.		56 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	01252180	1	01202817	1	01156555	1	01112072
2	02504361	2	02405634	2	02313110	2	02224144
3	03756542	3	03608451	3	03469665	3	03336216
4	05008723	4	04811269	4	04626220	4	04448288
5	06260904	5	06014086	5	05782775	5	05560360
6	07513085	6	07216903	6	06939330	6	06672432
7	08765266	7	08419720	7	08095885	7	07784505
8	10017446	8	09622538	8	09252440	8	08896577
9	11269627	9	10825355	9	10408995	9	10008649
57 Years.		58 Years.		59 Years.		60 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	01069300	1	01028171	1	00988628	1	00950604
2	02138600	2	02056342	2	01977256	2	01901207
3	03207900	3	03084513	3	02965884	3	02851812
4	04277200	4	04112684	4	03954512	4	03802415
5	05346500	5	05140855	5	04943140	5	04753020
6	06415800	6	06169026	6	05931768	6	05703623
7	07485101	7	07197197	7	06920396	7	06654227
8	08544401	8	08225369	8	07909024	8	07604831
9	09623701	9	09253540	9	08897652	9	08555435
70 Years.		80 Years.		90 Years.		100 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	00642194	1	00433843	1	00293090	1	00198000
2	01284388	2	00867686	2	00586180	2	00396000
3	01926582	3	01301529	3	00879270	3	00594001
4	02568776	4	01735372	4	01172360	4	00792001
5	03210970	5	02169216	5	01465448	5	00990001
6	03853164	6	02603059	6	01758538	6	01188002
7	04495358	7	03036902	7	02051627	7	01386002
8	05137552	8	03470745	8	02344717	8	01584002
9	05779746	9	03904588	9	02637807	9	01782003

66 COMPOUND INTEREST. TABLE VIII.

1 Year.		2 Years.		3 Years.		4 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	10000000	1	20400000	1	31216000	1	42464640
2	20000000	2	40800000	2	62432000	2	84929280
3	30000000	3	61200000	3	93648000	3	127393920
4	40000000	4	81600000	4	124864000	4	169858560
5	50000000	5	102000000	5	156080000	5	212323200
6	60000000	6	122400000	6	187296000	6	254787840
7	70000000	7	142800000	7	218512000	7	297252480
8	80000000	8	163200000	8	249728000	8	339717120
9	90000000	9	183600000	9	280944000	9	382181760
5 Years.		6 Years.		7 Years.		8 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	54163225	1	66329754	1	78982944	1	92142262
2	108326451	2	132659509	2	157965889	2	184284525
3	162489676	3	198989263	3	236948834	3	276426787
4	216652902	4	265319018	4	315931778	4	368569050
5	270816128	5	331648773	5	394914723	5	460711312
6	324979353	6	397978527	6	473897668	6	552853575
7	379142579	7	464308282	7	552880612	7	644995837
8	433305804	8	530638036	8	631863557	8	737138100
9	487469030	9	596967791	9	710846502	9	829280362
9 Years.		10 Years.		11 Years.		12 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	105827953	1	12006107	1	13486351	1	15025805
2	211655906	2	24012214	2	26972702	2	30051610
3	317483859	3	36018321	3	40459054	3	45077416
4	423311812	4	48024428	4	53945405	4	60103221
5	529139765	5	60030535	5	67431757	5	75129027
6	634967718	6	72036642	6	80918108	6	90154832
7	740795671	7	84042749	7	94404459	7	105180638
8	846623624	8	96048856	8	107890811	8	120206443
9	952451577	9	108054963	9	121377162	9	135232249
13 Years.		14 Years.		15 Years.		16 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	16626837	1	18291911	1	20023587	1	21824531
2	33253675	2	36583822	2	40047175	2	43649062
3	49880513	3	54875733	3	60070762	3	65473593
4	66507350	4	73167644	4	80094350	4	87298124
5	83134188	5	91459556	5	100117938	5	109122655
6	99761026	6	109751467	6	120141525	6	130947186
7	116387863	7	128043378	7	140165113	7	152771780
8	133014701	8	146335289	8	160188701	8	174596250
9	149641539	9	164627200	9	180212290	9	196420780

TABLE VIII. Amount of any Annuity at $\text{£}4\frac{1}{2}\%$ C. $\text{£}A. 67$

17 Years.		18 Years.		19 Years.		20 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	23697512	1	25645413	1	27671229	1	29778079
2	47395024	2	51290826	2	55342458	2	59556158
3	71092537	3	76936239	3	83013687	3	89334237
4	94790049	4	102581652	4	110684916	4	119112316
5	118487562	5	128227065	5	138356145	5	148890395
6	142185074	6	153872478	6	166027374	6	178668475
7	165882586	7	179517891	7	193698603	7	208446554
8	189580100	8	205163304	8	221369832	8	238224633
9	213277611	9	230808717	9	249041061	9	268002712
21 Years.		22 Years.		23 Years.		24 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	31969202	1	34247970	1	36617889	1	39082604
2	63938404	2	68495940	2	73235778	2	78165209
3	95907606	3	102743910	3	109853667	3	117247813
4	127876808	4	136991880	4	146471556	4	156330418
5	159846010	5	171239850	5	183089445	5	195413022
6	191815213	6	205487820	6	219707334	6	234495627
7	223784415	7	239735790	7	256325223	7	273578231
8	255753617	8	273983760	8	292943112	8	312660836
9	287722819	9	308231730	9	329561001	9	351743440
25 Years.		26 Years.		27 Years.		28 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	41645908	1	44311745	1	47084214	1	49967583
2	83291817	2	88623490	2	94168429	2	99935167
3	124937726	3	132935235	3	141252644	3	149902750
4	166583634	4	177246980	4	188336859	4	199870333
5	208229543	5	221558725	5	235421074	5	249837917
6	249875452	6	265870470	6	282505289	6	299805500
7	291521361	7	310182215	7	329589504	7	349773084
8	333167270	8	354493960	8	376673719	8	399740667
9	374813178	9	398805705	9	423757933	9	449708251
29 Years.		30 Years.		31 Years.		32 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	52966286	1	56084938	1	59328335	1	62701470
2	105932573	2	112169876	2	118656671	2	125402938
3	158898860	3	168254814	3	177985007	3	188104407
4	211865147	4	224339753	4	237313343	4	250805877
5	264831434	5	280424691	5	296641680	5	313507346
6	317797720	6	336509630	6	355970014	6	376208820
7	370764007	7	392594568	7	415298350	7	438910284
8	423730294	8	448679506	8	474626686	8	501611754
9	476696581	9	504764444	9	533955022	9	564313223

68 COMPOUND INTEREST. TABLE VIII.

33 Years.		34 Years.		35 Years.		36 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	66209528	1	69857909	1	73652225	1	77598314
2	132419056	2	139715818	2	147304450	2	155196628
3	198628584	3	209573727	3	220956676	3	232794943
4	264838112	4	279431636	4	294608901	4	310393257
5	331047640	5	349289545	5	368261126	5	387991571
6	397257168	6	419147454	6	441913352	6	465589886
7	463466696	7	489005363	7	515565575	7	543188200
8	529676224	8	558863272	8	589217802	8	620786515
9	595885752	9	628721181	9	662870028	9	698384830
37 Years.		38 Years.		39 Years.		40 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	81702246	1	85970336	1	90409150	1	95025516
2	163404493	2	171940673	2	180818300	2	190051032
3	245106740	3	257911010	3	271227450	3	285076548
4	326808987	4	343881347	4	361636601	4	380102065
5	408511234	5	429851684	5	452045751	5	475127581
6	490213481	6	515822020	6	542454901	6	570153097
7	571915728	7	601792357	7	632864052	7	665178614
8	653617975	8	687762694	8	723273202	8	760204130
9	735320219	9	773733031	9	813682352	9	855229646
41 Years.		42 Years.		43 Years.		44 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxcPts.
1	99826536	1	104819598	1	110012382	1	11541287
2	199653073	2	209639196	2	220024764	2	23082575
3	299479610	3	314458794	3	330037146	3	34623863
4	399306147	4	419278393	4	440049528	4	46165150
5	499132684	5	524097991	5	550061911	5	57706438
6	598959221	6	628917589	6	660074293	6	69247726
7	698785758	7	733737188	7	770086675	7	80789014
8	798612295	8	838556786	8	880099057	8	92330302
9	898438832	9	943376384	9	990111439	9	103871590
45 Years.		46 Years.		47 Years.		48 Years.	
£	uxcPts.	£	uxcPts.	£	uxcPts.	£	uxcPts.
1	12102939	1	12687056	1	13294539	1	13926320
2	24205878	2	25374113	2	26589078	2	27852641
3	36308817	3	38061170	3	39883617	3	41778961
4	48411756	4	50748227	4	53178156	4	55705282
5	60514696	5	63435283	5	66472695	5	69631603
6	72617635	6	76122340	6	79767234	6	83557923
7	84720574	7	88809397	7	93061773	7	97484244
8	96823513	8	101496454	8	106356312	8	111410565
9	108926452	9	114183510	9	119650851	9	125336886

TABLE VIII. Amount of any Annuity at £4 $\frac{1}{2}$ C. $\frac{1}{2}$ A. 69

49 Years.		50 Years.		51 Years.		52 Years.	
£	uxcPts.	£	uxcPts.	£	uxcPts.	£	uxcPts.
1	14583373	1	15266708	1	15977376	1	16716471
2	29166746	2	30533416	2	31954753	2	33432943
3	43750120	3	45800125	3	47932130	3	50149415
4	58333493	4	61066833	4	63909507	4	66865887
5	72916867	5	76333542	5	79886883	5	83582359
6	87500240	6	91600250	6	95864260	6	100298830
7	102083613	7	106866958	7	111841637	7	117015302
8	116666987	8	122133667	8	127819014	8	133731774
9	131250360	9	137400375	9	143796390	9	150448246
53 Years.		54 Years.		55 Years.		56 Years.	
£	uxcPts.	£	uxcPts.	£	uxcPts.	£	uxcPts.
1	17485130	1	18284536	1	19115917	1	19980554
2	34970261	2	36569072	2	38231834	2	39961108
3	52455392	3	54853608	3	57347752	3	59941662
4	69940522	4	73138144	4	76463669	4	79922216
5	87425653	5	91422680	5	95579587	5	99902770
6	104910784	6	109707216	6	114695504	6	119883324
7	122395914	7	127991752	7	133811421	7	139863878
8	139881045	8	146276288	8	152927339	8	159844432
9	157366176	9	164560824	9	172043256	9	179824986
57 Years.		58 Years.		59 Years.		60 Years.	
£	uxcPts.	£	uxcPts.	£	uxcPts.	£	uxcPts.
1	20879776	1	21814967	1	22787565	1	23799068
2	41759552	2	43629934	2	45575131	2	47598137
3	62639328	3	65444901	3	68362697	3	71397205
4	83519105	4	87259870	4	91150263	4	95196274
5	104398881	5	109074836	5	113937829	5	118995342
6	125278657	6	130889803	6	136725395	6	142794411
7	146158433	7	152704771	7	159512961	7	166593479
8	167038210	8	174519738	8	182300527	8	190392548
9	187917986	9	196334705	9	205088093	9	214191616
70 Years.		80 Years.		90 Years.		100 Years.	
£	uxcPts.	£	uxcPts.	£	uxcPts.	£	uxcPts.
1	36429045	1	55124496	1	82698556	1	12361467
2	72858090	2	110248992	2	165397112	2	24722935
3	109287135	3	165373488	3	248095668	3	37084402
4	145716181	4	220497984	4	330794224	4	49445870
5	182145225	5	275622481	5	413492780	5	61807337
6	218574271	6	330746977	6	496191336	6	74168805
7	255003317	7	385871474	7	578889892	7	86530272
8	291432362	8	440995970	8	661588448	8	98891740
9	327861407	9	496120466	9	744287004	9	111253207

70 COMPOUND INTEREST. TABLE IX.

1 Year.		2 Years.		3 Years.		4 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	0961538	1	1886094	1	2775091	1	3629893
2	1923076	2	3772189	2	5550182	2	7259787
3	2884615	3	5658284	3	8325273	3	10889681
4	3846153	4	7544378	4	11100364	4	14519575
5	4807692	5	9430473	5	13875455	5	18149469
6	5769230	6	11316568	6	16650546	6	21779363
7	6730769	7	13202662	7	19425637	7	25409257
8	7692307	8	15088757	8	22200728	8	29039150
9	8653846	9	16974852	9	24975819	9	32669044
5 Years.		6 Years.		7 Years.		8 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	4451822	1	5242137	1	6002055	1	6732745
2	8903643	2	10484273	2	12004110	2	13465490
3	13355465	3	15726410	3	18006164	3	20198235
4	17807287	4	20968547	4	24008210	4	26930980
5	22259109	5	26210684	5	30010274	5	33663725
6	26710931	6	31452821	6	36012330	6	40396471
7	31162753	7	36694958	7	42014384	7	47129216
8	35614575	8	41937095	8	48016440	8	53861961
9	40066397	9	47179232	9	54018494	9	60594706
9 Years.		10 Years.		11 Years.		12 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	7435332	1	8110896	1	8760477	1	9385074
2	14870663	2	16221792	2	17520954	2	18770147
3	22305994	3	24332688	3	26281431	3	28155221
4	29741326	4	32443584	4	35041908	4	37540295
5	37176658	5	40554481	5	43802385	5	46925370
6	44611990	6	48665377	6	52562862	6	56310442
7	52047321	7	56776273	7	61323340	7	65695516
8	59482652	8	64887169	8	70083816	8	75080590
9	66917984	9	72998066	9	78844293	9	84465664
13 Years.		14 Years.		15 Years.		16 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	9985647	1	10563122	1	11118387	1	11652296
2	19971294	2	21126245	2	22236774	2	23304591
3	29956942	3	31689368	3	33355161	3	34956887
4	39942589	4	42252491	4	44473548	4	46609183
5	49928237	5	52815614	5	55591935	5	58261480
6	59913884	6	63378737	6	66710322	6	69913774
7	69899532	7	73941860	7	77828709	7	81566070
8	79885179	8	84504982	8	88947096	8	93218366
9	89870827	9	95068105	9	100065483	9	104870662

TABLE IX. Present Value of any Annuity at $\frac{4}{100}$ C. $\frac{1}{2}$ A. 71

17 Years.		18 Years.		19 Years.		20 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	12165668	1	12659297	1	13133939	1	13590326
2	24331337	2	25318594	2	26267879	2	27180653
3	36497005	3	37977891	3	39401819	3	40770980
4	48662674	4	50637188	4	52535758	4	54361307
5	60828343	5	63296485	5	65669698	5	67951634
6	72994011	6	75955782	6	78803638	6	81541960
7	85159680	7	88615079	7	91937577	7	95132287
8	97325348	8	101274376	8	105071517	8	108722614
9	109491017	9	113933674	9	118205457	9	122312941
21 Years.		22 Years.		23 Years.		24 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	14029160	1	14451115	1	14856842	1	15246963
2	28058320	2	28902231	2	29713684	2	30493926
3	42087481	3	43353347	3	44570526	3	45740890
4	56116641	4	57804463	4	59427368	4	60987853
5	70145802	5	72255579	5	74284210	5	76234817
6	84174962	6	86706695	6	89141052	6	91481780
7	98204123	7	101157811	7	103997894	7	106728744
8	112233283	8	115608927	8	118854736	8	121975707
9	126262444	9	130060043	9	133711578	9	137222671
25 Years.		26 Years.		27 Years.		28 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	15622080	1	15982769	1	16329586	1	16663063
2	31244160	2	31965539	2	32659172	2	33326126
3	46866240	3	47948309	3	48988758	3	49989189
4	62488320	4	63931079	4	65318344	4	66652253
5	78110400	5	79913849	5	81647930	5	83315316
6	93732480	6	95896618	6	97977516	6	99978379
7	109354560	7	111879388	7	114307102	7	116641443
8	124976640	8	127862158	8	130636688	8	133304506
9	140598720	9	143844928	9	146966274	9	149967569
29 Years.		30 Years.		31 Years.		32 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	16983714	1	17292033	1	17588494	1	17873552
2	33967429	2	34584067	2	35176988	2	35747104
3	50951143	3	51876101	3	52765482	3	53620656
4	67934859	4	69168135	4	70353976	4	71494208
5	84918574	5	86460169	5	87942470	5	89367760
6	101902288	6	103752203	6	105530964	6	107241312
7	118986003	7	121044237	7	123119458	7	125114864
8	135869718	8	138336271	8	140707952	8	142988416
9	152853433	9	155628305	9	158296446	9	160861968

72 COMPOUND INTEREST. TABLE IX.

33 Years.		34 Years.		35 Years.		36 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	18147646	1	18411198	1	18664613	1	18908282
2	36295292	2	36822397	2	37329226	2	37816564
3	54442938	3	55233595	3	55993839	3	56724846
4	72590585	4	73644794	4	74658452	4	75633128
5	90738231	5	92055992	5	93323066	5	94541411
6	108885877	6	110467191	6	111987679	6	113449693
7	127033524	7	128878389	7	130652292	7	132357975
8	145181170	8	147289588	8	149316905	8	151266257
9	163328816	9	165700787	9	167981519	9	170174540
37 Years.		38 Years.		39 Years.		40 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	19142578	1	19367864	1	19584485	1	19792774
2	38285157	2	38735728	2	39168969	2	39585548
3	57427736	3	58103593	3	58753454	3	59378322
4	76570315	4	77471457	4	78337939	4	79171096
5	95712894	5	96839321	5	97922424	5	98963870
6	114855473	6	116207186	6	117506909	6	118756644
7	133998052	7	135575050	7	137091393	7	138549418
8	153140631	8	154942915	8	156675878	8	158342192
9	172283210	9	174310779	9	176260363	9	178134966
41 Years.		42 Years.		43 Years.		44 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	19993051	1	20185626	1	20370795	1	20548840
2	39986103	2	40371252	2	40741590	2	41097680
3	59979155	3	60556879	3	61112385	3	61646520
4	79972207	4	80742505	4	81483181	4	82195360
5	99965259	5	100928132	5	101853976	5	102744200
6	119958311	6	121113758	6	122224771	6	123293040
7	139951363	7	141299385	7	142595566	7	143841880
8	159944415	8	161485011	8	162966362	8	164390720
9	179937467	9	181670637	9	183337157	9	184939560
45 Years.		46 Years.		47 Years.		48 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	20720039	1	20884654	1	21042934	1	21195131
2	41440078	2	41769308	2	42085869	2	42390263
3	62160118	3	62653962	3	63128804	3	63585394
4	82880157	4	83538616	4	84171739	4	84780526
5	103600197	5	104423270	5	105214673	5	105975658
6	124320236	6	125307924	6	126257608	6	127170789
7	145040276	7	146192578	7	147300543	7	148365921
8	165760315	8	167077232	8	168343478	8	169561053
9	186480355	9	187961886	9	189386412	9	190756184

TABLE IX. Present Value of any Annuity at $\text{£}4\frac{1}{2}\%$ C. $\text{£}1.73$

49 Years.		50 Years.		51 Years.		52 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	21341473	1	21482185	1	21617484	1	21747581
2	42682946	2	42964370	2	43234968	2	43495163
3	64024419	3	64446555	3	64852452	3	65242745
4	85365892	4	85928740	4	86469937	4	86990327
5	106707365	5	107410925	5	108087421	5	108737910
6	128048838	6	128893110	6	129704905	6	130485491
7	149390311	7	150375295	7	151322390	7	152233073
8	170731784	8	171857481	8	172939874	8	173980655
9	192073257	9	193339666	9	194557358	9	195728237
53 Years.		54 Years.		55 Years.		56 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	21872674	1	21992957	1	22108611	1	22219818
2	43745350	2	43985915	2	44217223	2	44439636
3	65618024	3	65978873	3	66325834	3	66659455
4	87490700	4	87971830	4	88434446	4	88879273
5	109363374	5	109964788	5	110543058	5	111099092
6	131236048	6	131957746	6	132651670	6	133318910
7	153108723	7	153950704	7	154760281	7	155538728
8	174981398	8	175943661	8	176868892	8	177758547
9	196854073	9	197936620	9	198977504	9	199978365
57 Years.		58 Years.		59 Years.		60 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	22326748	1	22429567	1	22528430	1	22623490
2	44653497	2	44859134	2	45056860	2	45246981
3	66980246	3	67288701	3	67585290	3	67870472
4	89306993	4	89718268	4	90113721	4	90493962
5	111633743	5	112147835	5	112642151	5	113117453
6	133960492	6	134577402	6	135170581	6	135740944
7	156287241	7	157006969	7	157699012	7	158364434
8	178613989	8	179436536	8	180227442	8	180987925
9	200940738	9	201866103	9	202755872	9	203611416
70 Years.		80 Years.		90 Years.		100 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	23394515	1	23915384	1	24267336	1	24505058
2	46789030	2	47830768	2	48534673	2	49010116
3	70183545	3	71746152	3	72802009	3	73515175
4	93578060	4	95661536	4	97069346	4	98020233
5	116972575	5	119576920	5	121336683	5	122525292
6	140367090	6	143492304	6	145604019	6	147030350
7	163761605	7	167407688	7	169871356	7	171535408
8	187156120	8	191323072	8	194138692	8	196040467
9	210550635	9	215238456	9	218406029	9	220545525

1 Year.		2 Years.		3 Years.		4 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	10500000	1	11025000	1	11576250	1	12155062
2	21000000	2	22050000	2	23152500	2	24310125
3	31500000	3	33075000	3	34728750	3	36465187
4	42000000	4	44100000	4	46305000	4	48620250
5	52500000	5	55125000	5	57881250	5	60775312
6	63000000	6	66150000	6	69457500	6	72930375
7	73500000	7	77175000	7	81033750	7	85085437
8	84000000	8	88200000	8	92610000	8	97240500
9	94500000	9	99225000	9	104186250	9	109395562
5 Years.		6 Years.		7 Years.		8 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	12762815	1	13400956	1	14071004	1	14774554
2	25525631	2	26801912	2	28142008	2	29549108
3	38288446	3	40202869	3	42213012	3	44323663
4	51051260	4	53603825	4	56284016	4	59098217
5	63814076	5	67004782	5	70355021	5	73872772
6	76576893	6	80405738	6	84426025	6	88647326
7	89339709	7	93806694	7	98497029	7	103421880
8	102102524	8	107207651	8	112568033	8	118196435
9	114865340	9	120608607	9	126639037	9	132970989
9 Years.		10 Years.		11 Years.		12 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	15513282	1	16288946	1	17103393	1	17958563
2	31026564	2	32577892	2	34206787	2	35917126
3	46539846	3	48866838	3	51310180	3	53875689
4	62053128	4	65155785	4	68413574	4	71834252
5	77566410	5	81444731	5	85516967	5	89792816
6	93079692	6	97733677	6	102620361	6	107751379
7	108592975	7	114022623	7	119723754	7	125709942
8	124106257	8	130311570	8	136827148	8	143668505
9	139619539	9	146600516	9	153930541	9	161627069
13 Years.		14 Years.		15 Years.		16 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	18856491	1	19799316	1	20789281	1	21828745
2	37712982	2	39598632	2	41578563	2	43657491
3	56569474	3	59397948	3	62367845	3	65486237
4	75425965	4	79197264	4	83157126	4	87314982
5	94282456	5	98996580	5	103946408	5	109143728
6	113138948	6	118795896	6	124735690	6	130972474
7	131995439	7	138595212	7	145524971	7	152801219
8	150851931	8	158394528	8	166314253	8	174629966
9	169708422	9	178193844	9	187103535	9	196458712

TABLE X. Amount of any Sum at £5 $\frac{1}{4}$ C. $\frac{1}{4}$ A. 75

17 Years.		18 Years.		19 Years.		20 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	22920183	1	24066192	1	25269501	1	26532976
2	45840366	2	48132384	2	50539003	2	53065953
3	68760549	3	72198576	3	75808505	3	79598930
4	91680732	4	96264768	4	101078007	4	106131907
5	114600915	5	120330960	5	126347508	5	132664884
6	137521098	6	144397152	6	151617010	6	159197860
7	160441281	7	168463345	7	176886512	7	185730837
8	183361464	8	192529537	8	202156014	8	212263814
9	206281647	9	216595729	9	227425515	9	238796791
21 Years.		22 Years.		23 Years.		24 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	27859625	1	29252606	1	30715237	1	32251000
2	55719251	2	58505213	2	61430474	2	64502000
3	83578877	3	87757820	3	92145711	3	96753000
4	111438502	4	117010427	4	122860949	4	129004000
5	139298128	5	146263034	5	153576186	5	161255000
6	167157753	6	175515641	6	184291423	6	193506000
7	195017379	7	204768248	7	215006661	7	225757000
8	222877005	8	234020855	8	245721898	8	258008000
9	250736631	9	263273462	9	276437135	9	290259000
25 Years.		26 Years.		27 Years.		28 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	33863550	1	35556726	1	37334562	1	39201291
2	67727100	2	71113453	2	74669125	2	78402582
3	101590650	3	106670179	3	112003688	3	117603873
4	135454200	4	142226906	4	149338251	4	156805164
5	169317750	5	177783632	5	186672814	5	196006455
6	203181300	6	213340359	6	224007377	6	235207746
7	237044850	7	248897085	7	261341940	7	274409037
8	270908400	8	284453812	8	298676502	8	313610328
9	304771950	9	320010539	9	336011065	9	352811619
29 Years.		30 Years.		31 Years.		32 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	41161355	1	43219423	1	45380394	1	47649414
2	82322711	2	86438846	2	90760788	2	95298828
3	123484066	3	129658269	3	136141183	3	142948242
4	164645422	4	172877693	4	181521577	4	190597656
5	205806777	5	216097116	5	226901972	5	238247071
6	246968133	6	259316539	6	272282367	6	285896485
7	288129488	7	302535963	7	317662761	7	333545899
8	329290844	8	345755386	8	363043156	8	381195313
9	370452200	9	388974810	9	408423350	9	428844727

76 COMPOUND INTEREST. TABLE X.

33 Years.		34 Years.		35 Years.		36 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	50031885	1	52533479	1	55160153	1	57918160
2	100063770	2	105066958	2	110320306	2	115836321
3	150095655	3	157600437	3	165480459	3	173754482
4	200127540	4	210133916	4	220640612	4	231672642
5	250159425	5	262667395	5	275800765	5	289590803
6	300191310	6	315200874	6	330960918	6	347508964
7	350223195	7	367734354	7	386121071	7	405427125
8	400255080	8	420267833	8	441281224	8	463345286
9	450286965	9	472801312	9	496441377	9	521263446
37 Years.		38 Years.		39 Years.		40 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	60814068	1	63854772	1	67047510	1	70399886
2	121628137	2	127709544	2	134095020	2	140799772
3	182442206	3	191564316	3	201142530	3	211199659
4	243256274	4	255419088	4	268190040	4	281599545
5	304070344	5	319273861	5	335237550	5	351999432
6	364884412	6	383128633	6	402285060	6	422399318
7	425698481	7	446983405	7	469332570	7	492799204
8	486512550	8	510838177	8	536380080	8	563199091
9	547326620	9	574692950	9	603427590	9	633598977
41 Years.		42 Years.		43 Years.		44 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	73919880	1	77615874	1	81496668	1	85571502
2	147839761	2	155231749	2	162993336	2	171143004
3	221759642	3	232847624	3	244490005	3	256714506
4	295679522	4	310463498	4	325986674	4	342286008
5	369599403	5	388079373	5	407483342	5	427857510
6	443519284	6	465695248	6	488980011	6	513429012
7	517439164	7	543311123	7	570476679	7	599000514
8	591359045	8	620926998	8	651973348	8	684572016
9	665278926	9	698542872	9	733470016	9	770143518
45 Years.		46 Years.		47 Years.		48 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	89850077	1	94342580	1	99059710	1	104012695
2	179700154	2	188685161	2	198119420	2	208025390
3	269550231	3	283027742	3	297179130	3	312038085
4	359400308	4	377370323	4	396238840	4	416050781
5	449250385	5	471712904	5	495298550	5	520063476
6	539100462	6	566055484	6	594358260	6	624076171
7	628950539	7	660398065	7	693417970	7	728088867
8	718800616	8	754740646	8	792477680	8	832101562
9	808650693	9	849083227	9	891537390	9	936114258

TABLE X. Amount of any Sum at £5 P^{C} . P^{A} . 77

49 Years.		50 Years.		51 Years.		52 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	109213330	1	11467400	1	12048770	1	12642808
2	218426660	2	22934800	2	24081540	2	25285616
3	327639990	3	34402200	3	36122310	3	37928424
4	436853320	4	45869600	4	48163080	4	50571232
5	546066650	5	57337000	5	60203850	5	63214040
6	655279980	6	68804400	6	72244620	6	75856848
7	764493310	7	80271800	7	84285390	7	88499656
8	873706640	8	91739200	8	96326160	8	101142465
9	982919970	9	103206600	9	108366930	9	113785273
53 Years.		54 Years.		55 Years.		56 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	13274948	1	13938696	1	14635630	1	15367412
2	26549897	2	27877392	2	29271261	2	30734824
3	39824845	3	41816088	3	43906892	3	46102237
4	53099794	4	55754784	4	58542522	4	61469649
5	66374742	5	69693480	5	73178153	5	76837062
6	79649691	6	83632176	6	87813784	6	92204474
7	92924639	7	97570872	7	102449415	7	107571886
8	106199588	8	111509568	8	117085046	8	122939299
9	119474536	9	125448264	9	131720676	9	138306711
57 Years.		58 Years.		59 Years.		60 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	16135783	1	16942572	1	17789701	1	18679186
2	32271566	2	33885144	2	35579402	2	37358372
3	48407349	3	50827716	3	53369103	3	56037558
4	64543132	4	67770288	4	71158804	4	74716744
5	80678915	5	84712860	5	88948505	5	93395930
6	96814698	6	101655432	6	106738206	6	112075116
7	112950481	7	118598004	7	124527907	7	130754302
8	129086264	8	135540577	8	142317608	8	149433488
9	145222047	9	152483149	9	160107309	9	168112674
70 Years.		80 Years.		90 Years.		100 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	30426426	1	49561437	1	80714846	1	13147598
2	60852852	2	99122874	2	161429693	2	26295196
3	91279278	3	148684312	3	242144539	3	39442794
4	121705704	4	198245749	4	322859386	4	52590392
5	152132130	5	247807187	5	403574233	5	65737999
6	182558556	6	297368624	6	484289079	6	78885588
7	212984982	7	346930061	7	565003926	7	92033186
8	243411408	8	396491499	8	645718772	8	105180784
9	273837834	9	446052936	9	726433619	9	118328382

78 COMPOUND INTEREST. TABLE XI.

1 Year.		2 Years.		3 Years.		4 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	09523809	1	09070294	1	08638375	1	08227025
2	19047619	2	18140589	2	17276751	2	16454050
3	28571428	3	27210884	3	25915127	3	24681075
4	38095238	4	36281179	4	34553504	4	32908100
5	47619047	5	45351473	5	43191880	5	41135125
6	57142857	6	54421768	6	51830255	6	49362150
7	66666666	7	63492063	7	60468631	7	57589175
8	76190476	8	72562358	8	69107007	8	65816200
9	85714285	9	81632653	9	77745383	9	74043225
5 Years.		6 Years.		7 Years.		8 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	07835262	1	07462154	1	07106813	1	06768393
2	15670524	2	14924308	2	14213626	2	13536787
3	23505786	3	22386462	3	21320440	3	20305181
4	31341048	4	29848616	4	28427253	4	27073575
5	39176310	5	37310770	5	35534067	5	33841969
6	47011572	6	44772925	6	42640880	6	40610362
7	54846834	7	52235079	7	49747693	7	47378756
8	62682096	8	59697233	8	56854507	8	54147150
9	70517358	9	67159387	9	63961320	9	60915543
9 Years.		10 Years.		11 Years.		12 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pt.	£	uxct Pts.
1	06446088	1	06139132	1	05846793	1	05568374
2	12892177	2	12278265	2	11693586	2	11136748
3	19338265	3	18417397	3	17540379	3	16705122
4	25784354	4	24556530	4	23387172	4	22273497
5	32230442	5	30695662	5	29233965	5	27841871
6	38676531	6	36834795	6	35080758	6	33410245
7	45122620	7	42973928	7	40927551	7	38978619
8	51568708	8	49113060	8	46774344	8	44546994
9	58014797	9	55252193	9	52621137	9	50115368
13 Years.		14 Years.		15 Years.		16 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	05303213	1	05050680	1	04810171	1	04581115
2	10606427	2	10101360	2	09620342	2	09162230
3	15909640	3	15152040	3	14430513	3	13743346
4	21212854	4	20202720	4	19240684	4	18324461
5	26516068	5	25253400	5	24050856	5	22905577
6	31819281	6	30304080	6	28861027	6	27486692
7	37122495	7	35354760	7	33671198	7	32067807
8	42425709	8	40405440	8	38481369	8	36648923
9	47728922	9	45456120	9	43291541	9	41230038

TABLE XI. Present Value of any Sum at £5 $\frac{1}{4}$ C. $\frac{1}{4}$ A. 79

17 Years.		18 Years.		19 Years.		20 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	04362966	1	04155206	1	03957340	1	03768894
2	08725933	2	08310413	2	07914680	2	07537790
3	13088900	3	12465620	3	11872020	3	11306685
4	17451867	4	16620826	4	15829360	4	15075580
5	21814834	5	20776033	5	19786700	5	18844475
6	26177801	6	24931239	6	23744040	6	22613370
7	30540768	7	29086446	7	27701380	7	26382264
8	34903735	8	33241652	8	31658720	8	30151160
9	39266702	9	37396860	9	35616060	9	33920054
21 Years.		22 Years.		23 Years.		24 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	03589423	1	03418498	1	03255713	1	03100679
2	07178847	2	06836997	2	06511426	2	06201358
3	10768271	3	10255496	3	09767139	3	09302037
4	14357695	4	13673995	4	13022852	4	12402716
5	17947118	5	17092494	5	16278565	5	15503395
6	21536542	6	20510993	6	19534278	6	18604074
7	25125966	7	23929491	7	22789991	7	21704753
8	28715390	8	27347990	8	26045704	8	24805432
9	32304813	9	30766489	9	29301418	9	27906111
25 Years.		26 Years.		27 Years.		28 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	02953027	1	02812407	1	02678483	1	02550936
2	05906055	2	05624814	2	05356966	2	05101872
3	08859082	3	08437222	3	08035449	3	07652810
4	11812110	4	11249630	4	10713933	4	10203745
5	14765138	5	14062037	5	13392416	5	12754681
6	17718165	6	16874444	6	16070899	6	15305618
7	20671193	7	19686851	7	18749382	7	17856554
8	23624221	8	22499259	8	21427866	8	20407491
9	26577248	9	25311666	9	24106350	9	22958427
29 Years.		30 Years.		31 Years.		32 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	02429463	1	02313774	1	02203594	1	02098661
2	04858926	2	04627550	2	04407190	2	04197323
3	07288389	3	06941323	3	06610784	3	06295985
4	09717853	4	09255098	4	08814380	4	08394646
5	12147316	5	11568872	5	11017973	5	10493308
6	14576780	6	13882647	6	13221568	6	12591970
7	17006242	7	16196421	7	15425163	7	14690681
8	19435706	8	18510196	8	17628758	8	16789293
9	21865170	9	20823970	9	19832353	9	18887955

80 COMPOUND INTEREST. TABLE XI.

33 Years.		34 Years.		35 Years.		36 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	01998725	1	01903548	1	01812902	1	01726574
2	03997450	2	03807096	2	03625805	2	03453148
3	05996176	3	05710644	3	05438708	3	05179722
4	07994901	4	07614192	4	07251611	4	06906296
5	09993627	5	09517740	5	09064514	5	08632870
6	11992352	6	11421288	6	10877417	6	10359445
7	13991077	7	13324836	7	12690320	7	12086019
8	15989803	8	15228384	8	14503222	8	13812593
9	17988528	9	17131932	9	16316125	9	15539167
37 Years.		38 Years.		39 Years.		40 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	01644356	1	01566053	1	01491480	1	01420456
2	03288712	2	03132107	2	02982960	2	02840913
3	04933069	3	04698161	3	04474440	3	04261370
4	06577425	4	06264214	4	05965920	4	05681827
5	08221781	5	07830268	5	07457398	5	07102284
6	09866138	6	09396322	6	08948878	6	08522741
7	11510494	7	10962375	7	10440357	7	09943197
8	13154850	8	12528430	8	11931837	8	11363654
9	14799207	9	14094483	9	13423317	9	12784111
41 Years.		42 Years.		43 Years.		44 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	01352816	1	01288396	1	01227044	1	01168613
2	02705632	2	02576792	2	02454088	2	02337226
3	04058448	3	03865188	3	03681132	3	03505840
4	05411264	4	05153584	4	04908176	4	04674453
5	06764080	5	06441981	5	06135220	5	05843066
6	08116896	6	07730377	6	07362264	6	07011680
7	09469712	7	09018773	7	08589308	7	08180293
8	10822528	8	10307169	8	09816352	8	09348906
9	12175344	9	11595566	9	11043396	9	10517520
45 Years.		46 Years.		47 Years.		48 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	01112965	1	01059966	1	01009492	1	00961421
2	02225930	2	02119933	2	02018984	2	01922842
3	03338895	3	03179900	3	03028476	3	02884263
4	04451860	4	04239867	4	04037968	4	03845684
5	05564825	5	05299833	5	05047460	5	04807105
6	06677790	6	06359800	6	06056953	6	05768526
7	07790755	7	07419767	7	07066445	7	06729947
8	08903720	8	08479734	8	08075937	8	07691368
9	10016685	9	09539700	9	09085429	9	08652789

TABLE XI. Present Value of any Sum at £5 $\frac{1}{4}$ C. $\frac{1}{4}$ A. 81

49 Years.		50 Years.		51 Years.		52 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	00915639	1	00872037	1	00830511	1	00790963
2	01831278	2	01744074	2	01661023	2	01581927
3	02746917	3	02616111	3	02491535	3	02372890
4	03662556	4	03488150	4	03322046	4	03163854
5	04578195	5	04360186	5	04152558	5	03954817
6	05493834	6	05232223	6	04983070	6	04745781
7	06409474	7	06104260	7	05813581	7	05536744
8	07325113	8	06976298	8	06644093	8	06327708
9	08240752	9	07848335	9	07474605	9	07118671
53 Years.		54 Years.		55 Years.		56 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	00753298	1	00717427	1	00683264	1	00650727
2	01506597	2	01434854	2	01366528	2	01301455
3	02259895	3	02152281	3	02049792	3	01952182
4	03013194	4	02869708	4	02733056	4	02602910
5	03766493	5	03587136	5	03416320	5	03253638
6	04519791	6	04304563	6	04099584	6	03904365
7	05273090	7	05021990	7	04782848	7	04555093
8	06026388	8	05739417	8	05466112	8	05205821
9	06779687	9	06456845	9	06149376	9	05856548
57 Years.		58 Years.		59 Years.		60 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	00619740	1	00590229	1	00562122	1	00535355
2	01239481	2	01180458	2	01124245	2	01070710
3	01859221	3	01770687	3	01686368	3	01606065
4	02478962	4	02360916	4	02248491	4	02141420
5	03098703	5	02951145	5	02810614	5	02676776
6	03718443	6	03541374	6	03372737	6	03212131
7	04338184	7	04131604	7	03934860	7	03747486
8	04957924	8	04721833	8	04496983	8	04282841
9	05577665	9	05312062	9	05059106	9	04818196
70 Years.		80 Years.		90 Years.		100 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	00328661	1	00201769	1	00123869	1	00076805
2	00657323	2	00403539	2	00247738	2	00153610
3	00985985	3	00605309	3	00371607	3	00230415
4	01314646	4	00807078	4	00495476	4	00307221
5	01643308	5	01008848	5	00619345	5	00384026
6	01971970	6	01210618	6	00743214	6	00460831
7	02300631	7	01412387	7	00867083	7	00537637
8	02629293	8	01614157	8	00990952	8	00614442
9	02957955	9	01815927	9	01114821	9	00691247

82 COMPOUND INTEREST. TABLE XII.

1 Year.		2 Years.		3 Years.		4 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	10000000	1	20500000	1	31525000	1	43101250
2	20000000	2	41000000	2	63050000	2	86202500
3	30000000	3	61500000	3	94575000	3	129303750
4	40000000	4	82000000	4	126100000	4	172405000
5	50000000	5	102500000	5	157625000	5	215506250
6	60000000	6	123000000	6	189150000	6	258607500
7	70000000	7	143500000	7	220675000	7	301708750
8	80000000	8	164000000	8	252200000	8	344810000
9	90000000	9	184500000	9	283725000	9	387911250
5 Years.		6 Years.		7 Years.		8 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	55256312	1	68019128	1	81420084	1	95491088
2	110512625	2	136038256	2	162840169	2	190982177
3	165768937	3	204057384	3	244260253	3	286473266
4	221025250	4	272076512	4	325680338	4	381964354
5	276281562	5	340095640	5	407100422	5	477455443
6	331537875	6	408114768	6	488520507	6	572946532
7	386794187	7	476133896	7	569940591	7	668437620
8	442050500	8	544153024	8	651360676	8	763928709
9	497306812	9	612172152	9	732780760	9	859419798
9 Years.		10 Years.		11 Years.		12 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	110265643	1	12577892	1	14206787	1	15917126
2	220531286	2	25155785	2	28413574	2	31834253
3	330796929	3	37733677	3	42620361	3	47751379
4	441062572	4	50311570	4	56827148	4	63668506
5	551328215	5	62889465	5	71033935	5	79585632
6	661593858	6	75467355	6	85240722	6	95502759
7	771859501	7	88045247	7	99447509	7	111419885
8	882125144	8	100623140	8	113654296	8	127337012
9	992390787	9	113201032	9	127861083	9	143254138
13 Years.		14 Years.		15 Years.		16 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	17712983	1	19598632	1	21578563	1	23657492
2	35425966	2	39197264	2	43157127	2	47314984
3	53138949	3	58795896	3	64735690	3	70972476
4	70851932	4	78394528	4	86314254	4	94629968
5	88564915	5	97993160	5	107892817	5	118287460
6	106277898	6	117591792	6	129471378	6	141944952
7	123990881	7	137190424	7	151049944	7	165602444
8	141703864	8	156789056	8	172628508	8	189259936
9	159416847	9	176387688	9	194207071	9	212917428

TABLE XII. Amount of any yearly Sum at £5 $\frac{1}{4}$ C. $\frac{1}{4}$ A. 83

17 Years.		18 Years.		19 Years.		20 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct. s.	£	uxct Pts.
1	25840366	1	28132384	1	30539004	1	33065954
2	51680732	2	56264769	2	61078008	2	66131908
3	77521098	3	84397153	3	91617012	3	99197862
4	103361464	4	112529538	4	122156016	4	132263816
5	129201831	5	140661923	5	152695020	5	165329770
6	155042197	6	168794307	6	183234024	6	198395724
7	180882563	7	196926692	7	213773028	7	231461678
8	206722929	8	225059076	8	244312032	8	264527632
9	232563295	9	253191461	9	274851036	9	297593586
21 Years.		22 Years.		23 Years.		24 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	35719251	1	38505214	1	41430474	1	44501998
2	71438503	2	77010428	2	82860949	2	89003996
3	107157754	3	115515642	3	124291424	3	133505995
4	142877006	4	154020856	4	165721898	4	178007993
5	178596257	5	192526070	5	207152373	5	222509992
6	214315509	6	231031284	6	248582848	6	267011990
7	250034760	7	269536498	7	290013322	7	311513988
8	285754012	8	308041712	8	331443797	8	356015987
9	321473263	9	346546926	9	372874272	9	400517985
25 Years.		26 Years.		27 Years.		28 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	47727098	1	51113454	1	54669125	1	58402583
2	95454196	2	102226908	2	109338251	2	116805166
3	143181294	3	153340362	3	164007377	3	175207749
4	190908393	4	204453816	4	218676503	4	233610332
5	238635491	5	255567270	5	273345629	5	292012915
6	286362589	6	306680724	6	328014754	6	350415498
7	334089688	7	357794178	7	382683880	7	408818081
8	381816786	8	408907632	8	437353006	8	467220664
9	429543884	9	460021086	9	492022132	9	525623247
29 Years.		30 Years.		31 Years.		32 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	62322712	1	66438847	1	70760790	1	75298828
2	124645424	2	132877695	2	141521580	2	150597657
3	186968136	3	199316542	3	212282370	3	225896485
4	249290848	4	265755390	4	283043160	4	301195314
5	311613560	5	332194237	5	353803950	5	376494142
6	373936272	6	398633085	6	424564740	6	451792971
7	436258984	7	465071932	7	495325530	7	527091799
8	498581696	8	531510780	8	566086320	8	602390628
9	560904408	9	597949627	9	636847110	9	677689456

84 COMPOUND INTEREST. TABLE XII.

33 Years.		34 Years.		35 Years.		36 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	80063771	1	85066958	1	90320306	1	95836322
2	160127542	2	170133917	2	180640613	2	191672644
3	240191313	3	255200875	3	270960919	3	287508966
4	320255084	4	340267834	4	361281226	4	383345288
5	400318855	5	425334792	5	451601532	5	479181610
6	480382626	6	510401751	6	541921839	6	575017932
7	560446397	7	595468709	7	632242145	7	670854254
8	640510168	8	680535668	8	722562452	8	766690576
9	720573939	9	765602626	9	812882758	9	862526898
37 Years.		38 Years.		39 Years.		40 Years.	
£	uxctPts.	£	uxctPts.	£	uxcPts.	£	uxcPts.
1	101628138	1	107709545	1	11409502	1	12079977
2	203256277	2	215419091	2	22819004	2	24159954
3	304884415	3	323128636	3	34228506	3	36239932
4	406512554	4	430838182	4	45638009	4	48319909
5	508140692	5	538547727	5	57047511	5	60399886
6	609768831	6	646257273	6	68457013	6	72479863
7	711396969	7	753966818	7	79866515	7	84559841
8	813025108	8	861676364	8	91276018	8	96639818
9	914653246	9	969385909	9	102685520	9	108719793
41 Years.		42 Years.		43 Years.		44 Years.	
£	uxcPts.	£	uxcPts.	£	uxcPts.	£	uxcPts.
1	12783976	1	13523175	1	14299334	1	15114300
2	25567952	2	27046350	2	28598668	2	30228600
3	38351929	3	40569525	3	42898002	3	45342900
4	51135905	4	54092700	4	57197336	4	60457200
5	63919881	5	67615875	5	71496670	5	75571500
6	76703857	6	81139050	6	85796004	6	90685800
7	89487834	7	94662225	7	100095348	7	105800100
8	102271810	8	108185400	8	114394672	8	120914400
9	115055786	9	121708575	9	128694006	9	136028700
45 Years.		46 Years.		47 Years.		48 Years.	
£	uxcPts.	£	uxcPts.	£	uxcPts.	£	uxcPts.
1	15970015	1	16868516	1	17811942	1	18802539
2	31940031	2	33737032	2	35623884	2	37605078
3	47910046	3	50605549	3	53435826	3	56407617
4	63880062	4	67474065	4	71247768	4	75210156
5	79850078	5	84342582	5	89059711	5	94012695
6	95820093	6	101211098	6	106871653	6	112815235
7	111790110	7	118079614	7	124683595	7	131617775
8	127760124	8	134948131	8	142495537	8	150420314
9	143730142	9	151816647	9	160307479	9	169222853

TABLE XII. Amount of any yearly Sum at £500 C. 4 A. 85

49 Years.		50 Years.		51 Years.		52 Years.	
£	uxc Pts.	£	uxc Pts.	£	uxc Pts.	£	uxc Pts.
1	19842666	1	20934799	1	22081539	1	23285616
2	39685332	2	41869599	2	44163079	2	46571233
3	59527998	3	62804398	3	66244618	3	69856849
4	79370665	4	83739198	4	88326158	4	93142466
5	99213331	5	104673998	5	110407697	5	116428082
6	119055997	6	125608797	6	132489237	6	139713699
7	138898664	7	146543597	7	154570776	7	162999315
8	158741330	8	167478396	8	176652316	8	186284932
9	178583996	9	188413196	9	198733855	9	209570548
53 Years.		54 Years.		55 Years.		56 Years.	
£	uxc Pts.	£	uxc Pts.	£	uxc Pts.	£	uxc Pts.
1	24549897	1	25877392	1	27271261	1	28734824
2	49099794	2	51754784	2	54542523	2	57469649
3	73649692	3	77632176	3	81813785	3	86204474
4	98199589	4	103509568	4	109085047	4	114939299
5	122749487	5	129386961	5	136356309	5	143674124
6	147299384	6	155264353	6	163627570	6	172408949
7	171849281	7	181141745	7	190898832	7	201143774
8	196399179	8	207019137	8	218170094	8	229878599
9	220949076	9	232896529	9	245441356	9	258613424
57 Years.		58 Years.		59 Years.		60 Years.	
£	uxc Pts.	£	uxc Pts.	£	uxc Pts.	£	uxc Pts.
1	30271566	1	31885144	1	33579401	1	35358371
2	60543132	2	63770289	2	67158802	2	70716743
3	90814698	3	95655433	3	100738204	3	106075115
4	121086264	4	127540578	4	134317605	4	141433486
5	151357831	5	159425722	5	167897006	5	176791858
6	181629397	6	191310867	6	201476407	6	212150230
7	211900963	7	223196011	7	235055809	7	247508601
8	242172529	8	255081156	8	268635210	8	282866973
9	272444095	9	286966300	9	302214611	9	318225345
70 Years.		80 Years.		90 Years.		100 Years.	
£	uxc Pts.	£	uxc Pts.	£	uxc Pts.	£	uxc Pts.
1	58852849	1	97122879	1	15946072	1	26100250
2	117705699	2	194245759	2	31892145	2	52200501
3	176558549	3	291368639	3	47838217	3	78300752
4	235411398	4	388491519	4	63784250	4	104401003
5	294264248	5	485614399	5	79730363	5	130501254
6	353117098	6	582737279	6	95676435	6	156601505
7	411969947	7	679860159	7	111622508	7	182701756
8	470822797	8	776983039	8	127568581	8	208802007
9	529675647	9	874105919	9	143514653	9	234902258

86 COMPOUND INTEREST. TABLE XIII.

1 Year.		2 Years.		3 Years.		4 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	09523810	1	18594104	1	27232480	1	35459506
2	19047620	2	37188208	2	54404960	2	70919013
3	28571430	3	55782312	3	81697440	3	106378519
4	38095240	4	74376417	4	108929921	4	141838026
5	47619050	5	92970521	5	136162401	5	177297532
6	57142860	6	111564625	6	163394881	6	212757039
7	66666670	7	130158730	7	190627362	7	248216545
8	76190480	8	148752834	8	217859842	8	283676052
9	85714290	9	167346938	9	245092322	9	319135558
5 Years.		6 Years.		7 Years.		8 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	43294768	1	50756922	1	57863734	1	64632128
2	86589536	2	101513844	2	115727469	2	129264257
3	129884305	3	152270766	3	173591203	3	193896386
4	173179073	4	203027688	4	231454938	4	258528515
5	216473842	5	253784610	5	289318072	5	323160644
6	259768610	6	304541532	6	347182407	6	387792773
7	303063379	7	355298454	7	405046141	7	452424902
8	346358147	8	406055376	8	462909876	8	517057031
9	389652915	9	456812298	9	520773610	9	581689160
9 Years.		10 Years.		11 Years.		12 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	71078217	1	77217347	1	83064144	1	88632514
2	142156434	2	154434694	2	166128288	2	177265029
3	213234652	3	231652041	3	249192432	3	265897544
4	284312869	4	308869389	4	332256576	4	354530059
5	355391086	5	386086736	5	415320720	5	443162573
6	426469304	6	463304083	6	498384864	6	531795088
7	497547521	7	540521430	7	581449008	7	620427603
8	568625738	8	617738778	8	664513152	8	709060118
9	639703956	9	694956125	9	747577296	9	797692632
13 Years.		14 Years.		15 Years.		16 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	93935732	1	98986409	1	10879658	1	10837770
2	187871465	2	197972818	2	21759316	2	21675540
3	281807198	3	296959228	3	32638974	3	32513310
4	375742931	4	395945637	4	43518632	4	43351080
5	469678663	5	494932047	5	54398290	5	54188850
6	563614396	6	593918456	6	65277948	6	65026620
7	657550129	7	692904866	7	76157607	7	75864390
8	751485862	8	791891275	8	87037265	8	86702160
9	845421595	9	890877684	9	97916923	9	97539930

TABLE XIII. Present Value of any yearly Sum at £5 C.A. 87

17 Years.		18 Years.		19 Years.		20 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	11274066	1	11689586	1	12085321	1	12462210
2	22548132	2	23379173	2	24170642	2	24924421
3	33822198	3	35068760	3	36255964	3	37386632
4	45096264	4	46758347	4	48341285	4	49848843
5	56370330	5	58447933	5	60426606	5	62311053
6	67644397	6	70137520	6	72511928	6	74773264
7	78918463	7	81827107	7	84597249	7	87235475
8	90192529	8	93516694	8	96682570	8	99697686
9	101466595	9	105206281	9	108767892	9	112159897
21 Years.		22 Years.		23 Years.		24 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	12821152	1	13163003	1	13488573	1	13798641
2	25642305	2	26326005	2	26977147	2	27597282
3	38463458	3	39489008	3	40465721	3	41395923
4	51284611	4	52652011	4	53954295	4	55194565
5	64105764	5	65815014	5	67442868	5	68993206
6	76926910	6	78978017	6	80931442	6	82791847
7	89748069	7	92141020	7	94420016	7	96590488
8	102569222	8	105304023	8	107908590	8	110389130
9	115390375	9	118467026	9	121397163	9	124187771
25 Years.		26 Years.		27 Years.		28 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	14093944	1	14375185	1	14643033	1	14898127
2	28187888	2	28750371	2	29286067	2	29796254
3	42281832	3	43125557	3	43929101	3	44694382
4	56375776	4	57500742	4	58572134	4	59592509
5	70469720	5	71875928	5	73215168	5	74490637
6	84563664	6	86251114	6	87858202	6	89388764
7	98657608	7	100626300	7	102501235	7	104286892
8	112751552	8	115001485	8	117144269	8	119185019
9	126845496	9	129376671	9	131787303	9	134083147
29 Years.		30 Years.		31 Years.		32 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	15141073	1	15372451	1	15592810	1	15802676
2	30282147	2	30744902	2	31185621	2	31605353
3	45423221	3	46117353	3	46778432	3	47408029
4	60564295	4	61489804	4	62371243	4	63210706
5	75705369	5	76862255	5	77964054	5	79013383
6	90846443	6	92234707	6	93556865	6	94816059
7	105987517	7	107607158	7	109149675	7	110618736
8	121128591	8	122979609	8	124742486	8	126421412
9	136269665	9	138352060	9	140335297	9	142224089

88 COMPOUND INTEREST. TABLE XIII.

33 Years.		34 Years.		35 Years.		36 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	16002550	1	16192903	1	16374194	1	16546851
2	32005101	2	32385807	2	32748388	2	33093703
3	48007652	3	48578711	3	49122582	3	49640555
4	64010203	4	64771615	4	65496776	4	66187407
5	80012754	5	80964520	5	81870971	5	82734259
6	96015305	6	97157423	6	98245165	6	99281111
7	112017856	7	113350327	7	114619359	7	115827963
8	128020407	8	129543231	8	130993553	8	132374815
9	144022958	9	145736135	9	147367748	9	148921667
37 Years.		38 Years.		39 Years.		40 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	16711287	1	16867892	1	17017041	1	17159086
2	33422575	2	33735785	2	34034082	2	34318172
3	50133862	3	50603678	3	51051123	3	51477258
4	66845150	4	67471571	4	68068164	4	68636344
5	83556437	5	84339464	5	85085205	5	85795430
6	100267725	6	101207356	6	102102246	6	102954516
7	116979013	7	118075249	7	119119287	7	120113602
8	133690300	8	134943142	8	136136328	8	137272688
9	150401588	9	151811035	9	153153369	9	154431774
41 Years.		42 Years.		43 Years.		44 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	17294367	1	17423207	1	17545912	1	17662772
2	34588735	2	34846415	2	35091824	2	35325545
3	51883103	3	52269623	3	52637737	3	52988318
4	69177471	4	69692831	4	70183649	4	70651091
5	86471839	5	87116038	5	87729562	5	88313864
6	103766207	6	104539246	6	105275474	6	105976636
7	121060575	7	121962454	7	122821386	7	123639409
8	138354943	8	139385662	8	140367299	8	141302182
9	155649311	9	156808870	9	157913211	9	158964955
45 Years.		46 Years.		47 Years.		48 Years.	
£	uxctPts.	£	uxctPts.	£	uxctPts.	£	uxctPts.
1	17774069	1	17880066	1	17981015	1	18077157
2	35548138	2	35760132	2	35962031	2	36154315
3	53322208	3	53640199	3	53943047	3	54231473
4	71096277	4	71520265	4	71924062	4	72308631
5	88870346	5	89400332	5	89905078	5	90385788
6	106644416	6	107280398	6	107886094	6	108462946
7	124418485	7	125160465	7	125867109	7	126540104
8	142192554	8	143040531	8	143848125	8	144617262
9	159966624	9	160920598	9	161829141	9	162694420

TABLE XIII. Present Value of any yearly Sum at $\text{£}5\frac{1}{2}\%$ C. 89

49 Years.		50 Years.		51 Years.		52 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	18168716	1	18255924	1	18338975	1	18418072
2	36337432	2	36511849	2	36677951	2	36836145
3	54506148	3	54767773	3	55016927	3	55254218
4	72674864	4	73023698	4	73355903	4	73672291
5	90843581	5	91279623	5	91694879	5	92090364
6	109012297	6	109535547	6	110033854	6	110508437
7	127181013	7	127791472	7	128372830	7	128926510
8	145349729	8	146047396	8	146711806	8	147344583
9	163518445	9	164303321	9	165050782	9	165762656
53 Years.		54 Years.		55 Years.		56 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	18493403	1	18565146	1	18663472	1	18698545
2	36986807	2	37130292	2	37326944	2	37397090
3	55480210	3	55695438	3	54990416	3	56095635
4	73973614	4	74260584	4	74653888	4	74794180
5	92467017	5	92825730	5	93317360	5	93492725
6	110960421	6	111390876	6	111980832	6	112191270
7	129453824	7	129956022	7	130644304	7	130889815
8	147947228	8	148521168	8	149307776	8	149588360
9	166440631	9	167086314	9	167971248	9	168286905
57 Years.		58 Years.		59 Years.		60 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	18760519	1	18819542	1	18875754	1	18929290
2	37521038	2	37639084	2	37751508	2	37858580
3	56281557	3	56458626	3	56627262	3	56787870
4	75042076	4	75278168	4	75503016	4	75717160
5	93802595	5	94097710	5	94378770	5	94646450
6	112563114	6	112917252	6	113254524	6	113575740
7	131323633	7	131736794	7	132130278	7	132505030
8	150084152	8	150556336	8	151006032	8	151434320
9	168844671	9	169375878	9	169881786	9	170363610
70 Years.		80 Years.		90 Years.		100 Years.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pts.	£	uxct Pts.
1	19342675	1	19596461	1	19752262	1	19847911
2	38685351	2	39192922	2	39504525	2	39695822
3	58028027	3	58789384	3	59256788	3	59543733
4	77370703	4	78385845	4	79009050	4	79391644
5	96713379	5	97982307	5	98761313	5	99239555
6	116056055	6	117578768	6	118513576	6	119087466
7	135398731	7	137175229	7	138265838	7	138935377
8	154741407	8	156771691	8	158018101	8	158783288
9	174084083	9	176368152	9	177770364	9	178631199

90 TABLE of REVERSIONS. TABLE XIV.

TABLE of REVERSIONS,

Shewing what £ 1 due any Number of Years hence, under 40 Years, is worth in ready Money.

Yrs.	3½ per C.	6 per Cent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.
1	.96618	.94340	.93458	.92593	.91743	.90909
2	.93351	.89000	.87344	.85734	.84168	.82645
3	.90194	.83962	.81630	.79383	.77220	.75131
4	.87144	.79209	.76290	.73503	.70842	.68306
5	.84197	.74726	.71300	.68058	.64994	.62093
6	.81350	.70496	.66634	.63017	.59838	.56447
7	.78599	.66506	.62275	.58349	.54703	.51316
8	.75941	.62741	.58201	.54027	.50186	.46651
9	.73373	.59190	.54393	.50025	.46043	.42410
10	.70892	.55840	.50835	.46319	.42241	.38554
11	.68495	.52679	.47509	.42888	.38754	.35051
12	.66178	.49697	.44401	.39711	.35589	.31863
13	.63940	.46884	.41497	.36770	.32618	.28966
14	.61778	.44230	.38782	.34046	.29925	.26333
15	.59689	.41727	.36245	.31524	.27454	.23939
16	.57671	.39363	.33874	.29189	.25187	.21763
17	.55720	.37136	.31657	.27027	.23105	.19784
18	.53836	.35034	.29586	.25025	.21199	.17986
19	.52016	.33051	.27651	.23171	.19448	.16356
20	.50257	.31181	.25842	.21455	.17844	.14864
21	.48557	.29416	.24151	.19866	.16369	.13513
22	.46915	.27751	.22571	.18394	.15017	.12285
23	.45329	.26180	.21095	.17032	.13778	.11167
24	.43796	.24698	.19715	.15770	.12641	.10152
25	.42315	.23300	.18425	.14602	.11597	.09229
26	.40884	.21981	.17220	.13520	.10639	.08390
27	.39501	.20737	.16093	.12519	.09761	.07627
28	.38165	.19563	.15040	.11591	.08955	.06934
29	.36874	.18456	.14056	.10733	.08216	.06304
30	.35628	.17411	.13137	.09938	.07537	.05731
31	.34423	.16426	.12277	.09202	.06916	.05210
32	.33259	.15496	.11474	.08520	.06344	.04736
33	.32134	.14619	.10724	.07889	.05814	.04301
34	.31048	.13719	.10022	.07305	.05339	.03914
35	.29998	.13011	.09366	.06764	.04899	.03558

TABLE XIV. TABLE of REVERSIONS. 91

Yrs.	3½ per C.	6 per Cent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.
36	.28983	.12274	.08754	.06263	.04494	.03235
37	.28003	.11579	.08181	.05799	.04123	.02940
38	.27056	.10924	.07646	.05369	.03783	.02673
39	.26141	.10306	.07146	.04971	.03470	.02430
40	.25257	.09722	.06678	.04603	.03184	.02209
41	.24403	.09172	.06241	.04262	.02921	.02009
42	.23578	.08653	.05833	.03946	.02680	.01826
43	.22781	.08163	.05451	.03654	.02458	.01660
44	.22010	.07701	.05095	.03383	.02255	.01509
45	.21266	.07265	.04761	.03133	.02069	.01372
46	.20547	.06854	.04450	.02901	.01898	.01247
47	.19852	.06466	.04160	.02686	.01741	.01134
48	.19181	.06100	.03890	.02487	.01598	.01031
49	.18532	.05755	.03632	.02303	.01466	.00937
50	.17905	.05430	.03394	.02132	.01345	.00852
51	.17300	.05122	.03172	.01974	.01234	.00774
52	.16715	.04832	.02965	.01828	.01132	.00704
53	.16150	.04558	.02771	.01693	.01038	.00640
54	.15604	.04300	.02590	.01567	.00953	.00580
55	.15076	.04057	.02420	.01451	.00874	.00529
56	.14566	.03830	.02262	.01344	.00802	.00481
57	.14073	.03611	.02114	.01244	.00736	.00437
58	.13598	.03406	.01976	.01152	.00675	.00397
59	.13138	.03213	.01847	.01067	.00619	.00361
60	.12693	.03031	.01726	.00988	.00568	.00325
70	.08999	.01797	.00877	.00458	.00240	.00127
80	.06380	.00945	.00419	.00212	.00101	.00049
90	.04522	.00528	.00227	.00098	.00043	.00019

The USE of the Table of REVERSIONS.

Example.

What Sum must be given for the Reversion of an Estate, whose real worth is £ 500, and it is mortgaged, or leased out, for 15 Years, computing Interest at 7 per Cent. ?

The present Value of £1 at 7 per Cent. due 15 Years } .36245

hence, is — — — — — Multiplied by — 500
£181.22500

Answer £181 : 4 : 6

20
s. 4.5000
12
d. 6.0000

A TABLE of ANNUITIES,

Shewing how many Years Purchase any ANNUITY, or LEASE of any LAND or HOUSE is worth, and likewise for the Renewing of any Number of Years lapsed in any Lease for any Term of Years.

Yrs.	3½ per C.	6 per Cent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.
1	0.9661	0.9433	0.9346	0.9259	.9174	.9091
2	1.8996	1.8333	1.8080	1.7833	1.7591	1.7355
3	2.8016	2.6730	2.6243	2.5771	2.5313	2.4869
4	3.6731	3.4651	3.3872	3.3121	3.2397	3.1699
5	4.5151	4.2123	4.1002	3.9927	3.8897	3.7908
6	5.3286	4.9173	4.7665	4.6229	4.4862	4.3553
7	6.1145	5.5823	5.3893	5.2064	5.0329	4.8684
8	6.8740	6.2097	5.9713	5.7466	5.5347	5.3349
9	7.6077	6.8016	6.5152	6.2469	5.9952	5.7590
10	8.3166	7.3600	7.0236	6.7101	6.4178	6.1446
11	9.0015	7.8868	7.4987	7.1370	6.8053	6.4951
12	9.6633	8.3838	7.9427	7.5361	7.1607	6.8137
13	10.3027	8.8526	8.3577	7.9038	7.4868	7.1034
14	10.9205	9.2949	8.7455	8.2442	7.7862	7.3667
15	11.5174	9.7122	9.1079	8.5595	8.0607	7.6061
16	12.0941	10.1058	9.4466	8.8514	8.3126	7.8237
17	12.6513	10.4772	9.7632	9.1216	8.5437	8.0216
18	13.1897	10.8276	10.0591	9.3719	8.7557	8.2014
19	13.7098	11.1581	10.3356	9.6036	8.9502	8.3649
20	14.2124	11.4699	10.5940	9.8181	9.1286	8.5136
21	14.6980	11.7640	10.8355	10.0168	9.2923	8.6487
22	15.1671	12.0415	11.0612	10.2007	9.4424	8.7715
23	15.6204	12.3033	11.2722	10.3711	9.5803	8.8832
24	16.0584	12.5503	11.4693	10.5288	9.7067	8.9843
25	16.4815	12.7833	11.6536	10.6748	9.8227	9.0766
26	16.8904	13.0031	11.8258	10.8100	9.9290	9.1605
27	17.2854	13.2105	11.9867	10.9352	10.0267	9.2368
28	17.6670	13.4061	12.1371	11.0511	10.1162	9.3061
29	18.0358	13.5907	12.2777	11.1584	10.1983	9.3691
30	18.3920	13.7648	12.4090	11.2578	10.2737	9.4264

TABLE XV. TABLE OF ANNUITIES.

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	$3\frac{1}{2}$ per C.	6 per Cent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.
31	18.7363	13.9290	12.5318	11.3498	10.3429	9.4785
32	19.0689	14.0840	12.6466	11.4350	10.4062	9.5259
33	19.3902	14.2302	12.7538	11.5139	10.4645	9.5689
34	19.7007	14.3681	12.8540	11.5869	10.5184	9.6081
35	20.0007	14.4982	12.9477	11.6546	10.5668	9.6437
36	20.2905	14.6209	13.0352	11.7172	10.6117	9.6760
37	20.5705	14.7367	13.1170	11.7752	10.6530	9.7054
38	20.8411	14.8460	13.1935	11.8289	10.6908	9.7322
39	21.1025	14.9490	13.2649	11.8786	10.7256	9.7565
40	21.3551	15.0462	13.3317	11.9246	10.7574	9.7786
41	21.5991	15.1380	13.3941	11.9672	10.7866	9.7986
42	21.8349	15.2245	13.4524	12.0067	10.8134	9.8169
43	22.0627	15.3061	13.5069	12.0432	10.8379	9.8335
44	22.2828	15.3831	13.5579	12.0771	10.8605	9.8486
45	22.4955	15.4558	13.6055	12.1084	10.8812	9.8623
46	22.7009	15.5244	13.6500	12.1374	10.9002	9.8748
47	22.8994	15.5890	13.6916	12.1643	10.9176	9.8861
48	23.0912	15.6500	13.7305	12.1891	10.9336	9.8964
49	23.2766	15.7076	13.7668	12.2122	10.9482	9.9058
50	23.4556	15.7619	13.8007	12.2335	10.9617	9.9143
51	23.6286	15.8131	13.8325	12.2532	10.9740	9.9221
52	23.7958	15.8614	13.8621	12.2715	10.9855	9.9291
53	23.9573	15.9070	13.8898	12.2884	10.9958	9.9355
54	24.1133	15.9500	13.9157	12.3041	11.0054	9.9413
55	24.2641	15.9905	13.9399	12.3186	11.0141	9.9466
56	24.4097	16.0288	13.9626	12.3321	11.0221	9.9514
57	24.5504	16.0649	13.9837	12.3445	11.0295	9.9558
58	24.6864	16.0990	14.0035	12.3560	11.0362	9.9598
59	24.8178	16.1311	14.0219	12.3667	11.0424	9.9634
60	24.9447	16.1614	14.0392	12.3766	11.0481	9.9667
61	25.0674	16.1900	14.0553	12.3857	11.0533	9.9696
62	25.1859	16.2170	14.0704	12.3942	11.0581	9.9724
63	25.3004	16.2424	14.0845	12.4020	11.0621	9.9748
64	25.4110	16.2664	14.0977	12.4093	11.0665	9.9771
65	25.5178	16.2891	14.1099	12.4160	11.0702	9.9791
66	25.6211	16.3104	14.1214	12.4222	11.0736	9.9809
67	25.7209	16.3306	14.1322	12.4280	11.0767	9.9826
68	25.8173	16.3496	14.1422	12.4333	11.0796	9.9842
69	25.9104	16.3676	14.1516	12.4382	11.0822	9.9856
70	26.0004	16.3845	14.1604	12.4428	11.0846	9.9868

Y ^{rs} .	3½ per C.	6 per Cent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.
71	26.0873	16.4005	14.1686	12.4470	11.0868	9.9880
72	26.1713	16.4155	14.1763	12.4509	11.0888	9.9890
73	26.2525	16.4297	14.1834	12.4546	11.0916	9.9900
74	26.3309	16.4431	14.1901	12.4579	11.0923	9.9908
75	26.4067	16.4558	14.1964	12.4611	11.0939	9.9916
76	26.4799	16.4677	14.2022	12.4640	11.0953	9.9924
77	26.5506	16.4790	14.2077	12.4666	11.0967	9.9930
78	26.6190	16.4896	14.2128	12.4691	11.0979	9.9936
79	26.6850	16.4996	14.2175	12.4714	11.0989	9.9941
80	26.7488	16.5091	14.2220	12.4735	11.0999	9.9946
81	26.8104	16.5180	14.2262	12.4755	11.1009	9.9951
82	26.8700	16.5264	14.2301	12.4773	11.1018	9.9955
83	26.9275	16.5343	14.2337	12.4790	11.1025	9.9958
84	26.9831	16.5418	14.2371	12.4805	11.1103	9.9962
85	27.0368	16.5489	14.2403	12.4820	11.1039	9.9965
86	27.0887	16.5556	14.2433	12.4833	11.1045	9.9967
87	27.1388	16.5618	14.2460	12.4846	11.1050	9.9970
88	27.1873	16.5678	14.2486	12.4857	11.1055	9.9972
89	27.2341	16.5734	14.2511	12.4868	11.1060	9.9974
90	27.2793	16.5786	14.2533	12.4877	11.1064	9.9976
91	27.3230	16.5836	14.2745	12.4890	11.1069	9.9978
92	27.3652	16.5883	14.2946	12.4899	11.1072	9.9980
93	27.4060	16.5928	14.3128	12.4906	11.1075	9.9981
94	27.4454	16.5969	14.3303	12.4910	11.1078	9.9982
95	27.4835	16.6009	14.3465	12.4917	11.1081	9.9983
96	27.5203	16.6046	14.3615	12.4925	11.1083	9.9985
97	27.5558	16.6081	14.3756	12.4928	11.1086	9.9986
98	27.5902	16.6114	14.3888	12.4933	11.1089	9.9987
99	27.6234	16.6145	14.4012	12.4938	11.1091	9.9989



TABLE XVI. TABLE of ANNUITIES. 95

SUPPLEMENT to Tables V, IX, XIII, shewing the Present Value of £1 Annuity at the following Rates.

Years.	3 per Cent.	4 per Cent.	5 per Cent.
61	27.8404	22.7148	18.9802
62	28.0003	22.8027	19.0288
63	28.1557	22.8872	19.0750
64	28.3065	22.9685	19.1191
65	28.4529	23.0466	19.1610
66	28.5950	23.1218	19.2010
67	28.7330	23.1940	19.2390
68	28.8670	23.2635	19.2753
69	28.9971	23.3302	19.3098
71	29.2460	23.4562	19.3739
72	29.3651	23.5156	19.4037
73	29.4807	23.5727	19.4321
74	29.5929	23.6276	19.4592
75	29.7018	23.6804	19.4849
76	29.8076	23.7311	19.5094
77	29.9103	23.7799	19.5328
78	30.0100	23.8268	19.5550
79	30.1068	23.8720	19.5762
81	30.2920	23.9571	19.6156
82	30.3806	23.9972	19.6339
83	30.4666	24.0357	19.6514
84	30.5501	24.0728	19.6680
85	30.6311	24.1085	19.6838
86	30.7099	24.1428	19.6988
87	30.7863	24.1757	19.7132
88	30.8605	24.2074	19.7268
89	30.9325	24.2379	19.7398
91	31.0703	24.2954	19.7640
92	31.1362	24.3225	19.7752
93	31.2001	24.3486	19.7859
94	31.2622	24.3736	19.7961
95	31.3224	24.3977	19.8058
96	31.3809	24.4209	19.8151
97	31.4377	24.4431	19.8239
98	31.4928	24.4646	19.8323
99	31.5463	24.4851	19.8403

TABLE XVII. Shewing the Present Value of any ESTATE in Fee Simple, at the following Rates of Interest.

3 per Cent.		3½ per Cent.		4 per Cent.		5 per Cent.	
£	uxct Pts	£	uxct Pts	£	uxct Pt	£	uxct Pts.
1	33333333	1	28571428	1	25000000	1	200000000
2	66666666	2	57142856	2	50000000	2	400000000
3	100000000	3	85714284	3	75000000	3	600000000
4	133333333	4	114285712	4	100000000	4	800000000
5	166666666	5	142857140	5	125000000	5	1000000000
6	200000000	6	171428568	6	150000000	6	1200000000
7	233333333	7	200000000	7	175000000	7	1400000000
8	266666666	8	228571424	8	200000000	8	1600000000
9	300000000	9	257142852	9	225000000	9	1800000000
6 per Cent.		7 per Cent.		8 per Cent.		9 per Cent.	
£	uxct Pts.	£	uxct Pts.	£	uxct Pt	£	uxct Pts.
1	166666666	1	14285714	1	12500000	1	11111111
2	333333333	2	28571428	2	25000000	2	22222222
3	500000000	3	42857142	3	37500000	3	33333333
4	666666666	4	57142857	4	50000000	4	44444444
5	833333333	5	71428571	5	62500000	5	55555555
6	1000000000	6	85714285	6	75000000	6	66666666
7	1166666666	7	1000000000	7	87500000	7	77777777
8	1333333333	8	114285714	8	100000000	8	88888888
9	1500000000	9	128571428	9	112500000	9	1000000000

TABLE XVIII. Being a Table of Fines for renewing any Number of Years in a College Lease of 21 Years, allowing the Contractor £ 8 per Cent.

Years.		Years.		Years.	
1	0.1987	8	2.1131	15	5.3940
2	0.4133	9	2.2808	16	6.0241
3	0.6450	10	2.8779	17	6.7047
4	0.8952	11	3.3068	18	7.4398
5	1.1653	12	3.7700	19	8.2336
6	1.4574	13	4.2702	20	9.0909
7	1.7726	14	4.8105	21	10.0168

TABLE XIX. Being a Table of Fines for renewing any Number of Years in a College Lease of 20 Years, at £ 8 per Cent.

Years.		Years.		Years.	
1	0.2146	8	2.2821	15	5.8254
2	0.4463	9	2.6792	16	6.5060
3	0.6965	10	3.1081	17	7.2411
4	0.9666	11	3.5713	18	8.0349
5	1.2587	12	4.0715	19	8.9922
6	1.4133	13	4.6118	20	9.8181
7	1.9124	14	5.1953		

TABLE XX. For renewing any Number of Years lapsed in a College Lease for 21 Years at £ 11 : 11 : 8 $\frac{1}{4}$ 3-10ths per Cent.

Years.		Years.		Years.	
1	.10000	8	1.21666	15	3.60833
2	.20833	9	1.45833	16	4.12500
3	.33333	10	1.72500	17	4.70833
4	.47503	11	2.02500	18	5.35833
5	.63333	12	3.58333	19	6.07500
6	.80000	13	3.73333	20	6.75000
7	1.00000	14	3.15000		

Total Value of the Lease is 7.75000.

TABLE XXI. For the renewing of any Number of Years lapsed in a Lease for 20 Years, calculated at £ 12 : 6 per Cent.

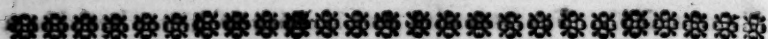
Years.		Years.		Years.	
1	.10000	8	1.21666	14	3.25000
2	.20866	9	1.45833	15	3.74166
3	.33333	10	1.74166	16	4.30000
4	.47503	11	2.05833	17	4.92500
5	.63333	12	2.40833	18	5.63333
6	.80000	13	2.80000	19	6.43333
7	1.00000				

Total Value is 7.31666.

TABLE XXII. For the renewing of any Number of Years lapsed in a Lease for 10 Years at £ 17 : 18 per Cent.

Years.		Years.		Years.	
1	.19166	4	1.00000	7	2.33333
2	.41666	5	1.37500	8	2.94466
3	.69166	6	1.82500	9	3.67500

Total Value is 4.50833.



THE APPLICATION of TABLES V, IX, XIII, and XV, in
the Renewing and Purchasing of Leases.

EXAMPLE I.

Suppose there are 7 Years lapsed or run out in a Lease of 20 Years, whose annual Rent is £20 and Interest at £6 per Cent. what Sum must be given to make up this Lease again, or in other Terms what Sum must be given for 7 Years in Reversion, when there are 13 Years in esse, the same being the present Worth of 7 Years to commence immediately after the Expiration of 13 Years?

Then in Table XV. seek for £6 per Cent. and against 20 Years you will find 11.4699.

From 20 Years	— — — —	11.4699
Take 7		

Remain 13 Years at £6 per Cent. in Table XV.	8.8526
--	--------

2.6173
20

Answer, the Fine is £52 : 6 : 11 to
make the Lease up to 20 Years.

£ 52.3460

EXAMPLE II.

The Value of some of the Years in Reversion may likewise be found in a Lease of 20 Years, as suppose it is required to find the Value of 4 of the 7 Years in Reversion of the said Lease.

Thus from the Value of 7 Years in Reversion subtract the Value of the 3 Years in Reversion, because 4 Years want just 3 of 7.

Now the Value of 7 Years in Reversion is found, as in the preceding Example, to be 2.6173.

And the Value of the 3 Years is found in the same manner,

Thus from 20 Years	— — — —	11.4699
Take 3		

Remain 17 at £6 per Cent.	— —	10.4772
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.9927

The Application of TABLES V, &c.

99

Then from 2.6173 = 7 Years in Reversion.

Take .9927 = 3 ditto.

Remains 1.6246 = Value of 4 Years in Reversion.
Multiplied by Rent 20

Answer, 32.4920 = £ 32 : 9 : 10½.

This Remainder must be given for a Fine to make the Lease up to 17 Years.

EXAMPLE III.

What is a Lease or Annuity of £ 36 per Ann. worth for 21 Years, at £ 5 per Cent. ?

In Table XIII. under 21 Years at £ 5 per Cent. } 384.634

£ 30 is worth — — — — — } 76.926

36 Answer, £ 461.561

EXAMPLE IV.

To increase the Number of Years in a Lease.

A Landlord would make a Lease of Land up to 50 Years, wherein his Tenant has no more than 37 Years to come, what is it worth at £ 5 per Cent. the annual Rent being £ 60.

In Table XIII. under 50 Years at £ 5 per Cent. } 1095.355

£ 60 per Ann. is worth — — — — — } 1002.677

Ditto — — — 37 Years — ditto — 92.678

Answer £ 92 : 13 : 6¾

EXAMPLE V.

To buy a Lease which is not to begin till your old Lease is out.

Suppose a Person has no more than 14 Years to come of his old Lease, and is desirous to have a new Lease of 40 Years, to begin when his 14 Years are expired, what is this Lease worth in ready Money ?

To solve which add the 14 Years to the 40 Years makes as under, supposing the annual Rent £ 30, and Interest of Money £ 5 per Cent.

40

14

—

54 Years £ 30 per Ann. at £ 5 per C. Tab. XIII. } 556.954

is worth — — — — — } 296.959

14 Years ditto — — ditto — Subtracted

Answer £ 260 nearly.

Remains 259.995

106 The Application of TABLES V, &c.

AND here it may not be amiss to shew the Reader how the TABLES of FINES are made.

First, Admit for a Lease of 21 Years at £8 per Cent.

Against 21 Years, and under £8 per Cent. in Table XV, is found 10.0168, which is the Number of Years Purchase to be given for a Lease of 21 Years.

Then to find the Value of the preceding Year, which is the 20th, subtract from the Value of 21 Years, which is 10.0168, the Value of the first Year found in Table XV. at £8 per Cent. to be .9259, and this Remainder will give 9.0909 the Value of the 20th Year, and in like manner proceed to find the Value of the 19th Year by subtracting from 21 Year's Value the Value of 2 Years, &c. See the Work.

21 Years at £8 per Cent.	—	10.0168
1 Year at ditto	— — —	.9259
<hr/>		
20 Years at ditto	— — —	9.0909
<hr/>		
21 Years at £8 per Cent.	—	10.0168
2 Years at ditto	— — —	1.7833
<hr/>		
19 Years at ditto	— — —	8.2335
<hr/>		

And in the same manner Tables for any Rate of Interest and any Number of Years may be constructed.

N.B. If a Purchaser gives 11 Years Purchase for his Lease of 20 Years, instead of Years 9.8181 he makes above £6½ per Cent. of his Money, which will appear very evident from Table XV. for at £7 per Cent. 20 Years is worth 10.5940 Years Purchase, which subtracted from 11. leaves .4060 and this Remainder taken from the Rate £7 per Cent. leaves 6.594 = £6 : 11 : 10½.

Again, If a Purchaser gives 13 Years Purchase instead of Years 10.0168 to renew his Lease for 21 Years, he makes about £4 : 16 per Cent. of his Money, as will appear from Table XIII. for there it will be found that 21 Years at £5 per Cent. is worth Years 12.821, &c. Purchase, which subtracted from 13. Years, leaves 0.178, and this Remainder taken from £5 per Cent. leaves 4.822 = £4 : 16 : 5¼. See the Work.

Years.

13.000

12.821 = 21 Years at £5 per Cent.

0.179

5.000

£ 4.822 reduced makes £4 : 16 : 5¼ as above.

T A B L E XXIII.

101

TABLE XXIII. For the PURCHASING of LIVES.

As a Lease of Years. Number of Lives.	At £8 per Cent. are worth Years Purchase.	As a Lease of Years. Number of Lives.	At £7 per Cent. are worth Years Purchase.	As a Lease of Years. Number of Lives.	At £6 per Cent. are worth Years Purchase.	As a Lease of Years. Number of Lives.	At £5 per Cent. are worth Years Purchase.
1 10	6.710	1 9	6.515	1 12	8.384	1 10	8.111
2 19	9.605	2 17	9.763	2 23	12.303	2 19	13.134
3 27	10.935	3 24	11.469	3 33	14.230	3 27	16.330
4 34	12.854	4 30	12.409	4 42	15.225	4 34	18.411
5 40	13.332	5 35	12.948	5 50	15.762	5 40	19.793
6 45	13.606	6 39	13.265	6 57	16.065	6 45	20.720
7 49	13.767	7 42	13.452	7 63	16.242	7 49	21.341
8 52	13.862	8 44	13.558	8 68	16.350	8 52	21.748
9 54	13.916	9 45	13.606	9 72	16.416	9 54	21.993

Now let us suppose there are three Persons, who have their Lives on an Estate and one of them should die, what Sum must be given to take in a new Life to make up the Number again. This is very easily done, admit at £7 per Cent. one Life is reckoned as a Lease of 9 Years, and three Lives as a Lease of 24 Years, then to take in a new Life I reckon the Life extinct as 9 Years lapsed in a Lease of 24 Years, and proceed as under.

Thus from 24 Years Value by Table XXIII. or XV. } Years.
at £7 per Cent. — — — — } 11.469

Take 9

Remains 15 ditto — by ditto — at ditto — 9.108

2.361

4

Answer £ 2 : 7 : 2 $\frac{3}{4}$ or 2 Years 1 Quarter
1 Month 3-10ths Purchase.

1.444

3

1.332

In Case two Lives out of the three were dead, then two Lives at the same Rate of Interest are reckoned as a Lease of 17 Years, which subtracted from 24 leaves 7 Years, whose Value 5.389 taken from 11.469 leaves 6.080 Years, the Value required.

TABLE XXIV. Applicable to the Tables of Compound Interest, shewing the Amount and Present Worth of any Sum for One Quarter, One Half, or Three Quarters of a Year.

$\frac{1}{4}$ Quar. £	3 per Cent.	$\frac{1}{4}$ Quar. £	$3\frac{1}{2}$ per Cent.	$\frac{1}{4}$ Quar. £	4 per Cent.	$\frac{1}{4}$ Quar. £	5 per Cent.
£	cxuxctx Pts	£	cxuxctx Pts	£	cxuxctx Pts	£	cxuxctx Pts
1	000007417	1	000008637	1	000009853	1	000012272
2	000014834	2	000017274	2	000019706	2	000024544
3	000022251	3	000025911	3	000029559	3	000036816
4	000029668	4	000034548	4	000039412	4	000049088
5	000037085	5	000043185	5	000049265	5	000061360
6	000044502	6	000051822	6	000059118	6	000073632
7	000051919	7	000060459	7	000068971	7	000085904
8	000059336	8	000069096	8	000078824	8	000098176
9	000066753	9	000077733	9	000088677	9	000110448
$\frac{1}{4}$ Quar. £	6 per Cent.	$\frac{1}{4}$ Quar. £	7 per Cent.	$\frac{1}{4}$ Quar. £	8 per Cent.	$\frac{1}{4}$ Quar. £	9 per Cent.
£	cxuxctx Pts	£	cxuxctx Pts	£	cxuxctx Pts	£	cxuxctx Pts
1	000014674	1	000017058	1	000019426	1	000021778
2	000029348	2	000034116	2	000038852	2	000043556
3	000044022	3	000051174	3	000058278	3	000065334
4	000058696	4	000068232	4	000077704	4	000087112
5	000073370	5	000085290	5	000097130	5	000108890
6	000088044	6	000102348	6	000116556	6	000130668
7	000102718	7	000119406	7	000135982	7	000152446
8	000117392	8	000136464	8	000155408	8	000174224
9	000132066	9	000153522	9	000174834	9	000196002
$\frac{3}{4}$ Year. £	3 per Cent.	$\frac{3}{4}$ Year. £	$3\frac{1}{2}$ per Cent.	$\frac{3}{4}$ Year. £	4 per Cent.	$\frac{3}{4}$ Year. £	5 per Cent.
£	cxuxctx Pts	£	cxuxctx Pts	£	cxuxctx Pts	£	cxuxctx Pts
1	000014889	1	000017349	1	000019804	1	000024695
2	000029778	2	000034698	2	000039608	2	000049390
3	000044667	3	000052047	3	000059412	3	000074085
4	000059556	4	000069396	4	000079216	4	000098780
5	000074445	5	000086745	5	000099020	5	000123475
6	000089334	6	000104094	6	000118824	6	000148170
7	000104223	7	000121443	7	000138628	7	000172865
8	000119112	8	000138792	8	000158432	8	000197560
9	000134001	9	000156141	9	000178236	9	000222255

TABLE XXIV. Worth of any Sum for 1 Quarter, &c. 103

Year. $\frac{1}{4}$	6 per Cent.	Year. $\frac{1}{4}$	7 per Cent.	Year. $\frac{1}{4}$	8 per Cent.	Year. $\frac{1}{4}$	9 per Cent.
$\frac{1}{4}$ Year. $\frac{1}{4}$	cxuxctx Pts	$\frac{1}{4}$ Year. $\frac{1}{4}$	cxuxctx Pts	$\frac{1}{4}$ Year. $\frac{1}{4}$	cxuxctx Pts	$\frac{1}{4}$ Year. $\frac{1}{4}$	cxuxctx Pts
1	000029563	1	000034408	1	000039230	1	000044030
2	000059126	2	000068816	2	000078460	2	000088060
3	000088689	3	000103224	3	000117690	3	000132090
4	000118252	4	000137632	4	000156920	4	000176120
5	000147815	5	000172040	5	000196150	5	000220150
6	000177378	6	000206448	6	000235380	6	000264180
7	000206941	7	000240856	7	000274610	7	000308210
8	000236504	8	000275264	8	000313840	8	000352240
9	000266067	9	000309672	9	000353070	9	000396270
$\frac{3}{4}$ Year. $\frac{3}{4}$	3 per Cent.	$\frac{3}{4}$ Year. $\frac{3}{4}$	$3\frac{1}{2}$ per Cent.	$\frac{3}{4}$ Year. $\frac{3}{4}$	4 per Cent.	$\frac{3}{4}$ Year. $\frac{3}{4}$	5 per Cent.
$\frac{3}{4}$ Year. $\frac{3}{4}$	cxuxctx Pts	$\frac{3}{4}$ Year. $\frac{3}{4}$	cxuxctx Pts	$\frac{3}{4}$ Year. $\frac{3}{4}$	cxuxctx Pts	$\frac{3}{4}$ Year. $\frac{3}{4}$	cxuxctx Pts
1	000022416	1	000026137	1	000029852	1	000037270
2	000044832	2	000052274	2	000059704	2	000074540
3	000067248	3	000078411	3	000089556	3	000111810
4	000089664	4	000104548	4	000119408	4	000149080
5	000112080	5	000130685	5	000149260	5	000186350
6	000134496	6	000156822	6	000179112	6	000223620
7	000156912	7	000182959	7	000208964	7	000260890
8	000179328	8	000209096	8	000238816	8	000298160
9	000201744	9	000235233	9	000268668	9	000335430
$\frac{3}{4}$ Year. $\frac{3}{4}$	6 per Cent.	$\frac{3}{4}$ Year. $\frac{3}{4}$	7 per Cent.	$\frac{3}{4}$ Year. $\frac{3}{4}$	8 per Cent.	$\frac{3}{4}$ Year. $\frac{3}{4}$	9 per Cent.
$\frac{3}{4}$ Year. $\frac{3}{4}$	cxuxctx Pts	$\frac{3}{4}$ Year. $\frac{3}{4}$	cxuxctx Pts	$\frac{3}{4}$ Year. $\frac{3}{4}$	cxuxctx Pts	$\frac{3}{4}$ Year. $\frac{3}{4}$	cxuxctx Pts
1	000044671	1	000052053	1	000059419	1	000066765
2	000089342	2	000104106	2	000118838	2	000133530
3	000134013	3	000156159	3	000178257	3	000200295
4	000178684	4	000208212	4	000237676	4	000267060
5	000223355	5	000260265	5	000297095	5	000333825
6	000268026	6	000312318	6	000356514	6	000400590
7	000312697	7	000364371	7	000415933	7	000467355
8	000357368	8	000416424	8	000475352	8	000534120
9	000402039	9	000468477	9	000534771	9	000600885



TABLE XXV. Applicable to the Tables of Compound Interest, shewing the Amount and Present Worth of any Rent, Pension, or Annuity, for Quarterly or Half Yearly Payments.

Quarterly	3 per Cent.	Quarterly	3½ per Cent.	Quarterly	4 per Cent.	Quarterly	5 per Cent.
$\frac{1}{4}$	cxuxctx Pts	$\frac{1}{4}$	cxuxctx Pts	$\frac{1}{4}$	cxuxctx Pts	$\frac{1}{4}$	cxuxctx Pts
1	000011181	1	000013031	1	000014877	1	000018559
2	000022362	2	000026062	2	000029754	2	000037118
3	000033543	3	000039093	3	000044631	3	000055677
4	000044724	4	000052124	4	000059508	4	000074236
5	000055905	5	000065155	5	000074385	5	000092795
6	000067086	6	000078186	6	000089262	6	000111354
7	000078267	7	000091217	7	000104139	7	000129913
8	000089448	8	000104248	8	000119016	8	000148472
9	000100629	9	000117279	9	000133893	9	000167031
Quarterly	6 per Cent.	Quarterly	7 per Cent.	Quarterly	8 per Cent.	Quarterly	9 per Cent.
$\frac{1}{4}$	cxuxctx Pts	$\frac{1}{4}$	cxuxctx Pts	$\frac{1}{4}$	cxuxctx Pts	$\frac{1}{4}$	cxuxctx Pts
1	000022216	1	000025880	1	000029519	1	000033153
2	000044432	2	000051760	2	000059038	2	000066306
3	000066648	3	000077640	3	000088557	3	000099459
4	000088864	4	000103520	4	000118076	4	000132612
5	000111080	5	000129400	5	000147595	5	000165765
6	000133296	6	000155280	6	000177114	6	000198918
7	000155512	7	000181160	7	000206633	7	000232071
8	000177728	8	000207040	8	000236152	8	000265224
9	000199944	9	000232920	9	000265671	9	000298377
Half Yearly	3 per Cent.	Half Yearly	3½ per Cent.	Half Yearly	4 per Cent.	Half Yearly	5 per Cent.
$\frac{1}{2}$	cxuxctx Pts	$\frac{1}{2}$	cxuxctx Pts	$\frac{1}{2}$	cxuxctx Pts	$\frac{1}{2}$	cxuxctx Pts
1	000007445	1	000008675	1	000009902	1	000012348
2	000014890	2	000017350	2	000019804	2	000024696
3	000022335	3	000026025	3	000029706	3	000037044
4	000029780	4	000034700	4	000039608	4	000049392
5	000037225	5	000043375	5	000049510	5	000061740
6	000044670	6	000052050	6	000059412	6	000074088
7	000052115	7	000060725	7	000069314	7	000086436
8	000059560	8	000069400	8	000079216	8	000098784
9	000067005	9	000078075	9	000089118	9	000111132

TABLE XXV, continued.

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Yearly	6 per Cent.	Yearly	7 per Cent.	Yearly	8 per Cent.	Yearly	9 per Cent.
$\frac{1}{2}$	CXUXCTX Pts	$\frac{1}{2}$	CXUXCTX Pts	$\frac{1}{2}$	CXUXCTX Pts	$\frac{1}{2}$	CXUXCTX Pts
1	000014781	1	000017204	1	000019870	1	000022031
2	000029562	2	000034408	2	000039740	2	000044062
3	000044343	3	000051612	3	000059610	3	000066093
4	000059124	4	000068816	4	000079480	4	000088124
5	000073905	5	000086020	5	000099350	5	000110155
6	000088686	6	000103224	6	000119220	6	000132186
7	000103467	7	000120428	7	000139090	7	000154217
8	000118248	8	000137632	8	000158960	8	000176248
9	000133029	9	000154836	9	000178830	9	000198279

THE manner of constructing the Twenty fourth and Twenty fifth Tables, whereby the Reader may at his own Pleasure make Tables for any Rate of Interest.

Seek the Logarithm to the Decimal of the Rate, then take the $\frac{1}{4}$, $\frac{1}{2}$, &c. of the said Logarithm; this being done find the nearest Logarithm to the last Logarithm, and at the same time its corresponding Natural Number. Then take $\frac{1}{4}$, $\frac{1}{2}$, &c. of the Decimal of the given Rate of Interest, and from it subtract the Number found aforesaid, and the Difference will be a Dividend, to be divided by the Number corresponding to the Logarithm aforesaid, whose Quotient will be an approximating Number applicable to Table VIII, and IX. and the Divisor applicable to Table VI, and VII.

See the Work.

.04 = the Decimal of the Rate of £ 1 at £ 4 per } .0170333
Cent. and its Logarithm — — —

$\frac{1}{4}$.0042583
Its nearest Logarithm .0042354

Difference 229

430) 22900 (53
2150

1400

1290

110

P

106 **Contraction of TABLES XXIV, XXV.**

Corresponding Natural Number to .0042354 is .0098
 To this affix 53

.009853

Then $\frac{1}{4}$ of Decimal of the Rate .04 is .01 and from .01
 Subtract .009853

Dividend = .000146

.009853) .0001466, &c. (.014877
9853

48070

39412

86580

78824

77560

68971

8589, &c.

Then .009853 multiplied by the 9 Digits will give the Numbers
 in Table XXIV; and .014877 multiplied by the 9 Digits will
 do the same for Table XXV.

**HOW to calculate Tables of the present Worth of £ 1 Quar-
 terly Payments, at any Rate of Simple Interest for any Number
 of Years.**

Let it be required to find the present Worth of £ 1 to be re-
 ceived a Quarter hence at £ 6 per Cent. *per Annum*, Simple Inte-
 rest.

1.06 = the Amount of £ 1 Principal and Interest a Year
 hence.

$\frac{1}{4}$.015 = the Interest for 1 Quarter.

Then 1.015) 1.0000, &c. (.985222 = the Present Worth of
 £ 1 at one Quarter's End,

8650

5300

2250

2200

Construction of TABLES XXIV, XXV. 107

Then .985222
 $1.03) 1.0000 (.970873 = \text{the Present Worth of } \pounds 1 \text{ at two Quarters.}$

.06 1.956095 = ditto of £ 2 ditto.

$\frac{1}{2} .03$

And 1.956095
 $1.045) 1.0000 (.956937 = \text{ditto at three Quarters.}$

.06 2.913032 = ditto of £ 3 ditto.

$\frac{3}{4} .045$

$1.06) 1.0000 (2.913032$
 $.943396 = \text{ditto of } \pounds 1 \text{ at One Year's End.}$

3.856422 = ditto of £ 4 ditto.

And in like manner proceed for five, six, &c. Quarters.

TO construct a Table of Interest for the Valuation of Leases or Annuities for Quarterly Payments at any Rate of Interest per Cent. per Annum, Compound Interest.

Admit at £ 6 per Cent. per Annum.

Seek the Log. of the Rate £ 1.06 = .0253059

Its $\frac{1}{4}$.0063264 = Nat. Num. add
 Nearest Log. 2949 1 = 1.0146

Pro. Pts. 428) 31500 (74 fere.
2996

1540

Then 1.014674) 1.00000000, &c. (.985538 = One
 Again, 1.06 = Log. 0253059 Quarter.

Its $\frac{1}{2}$ = 0126529
264

422) 265 (62

Then to Nat. Number of } .985538
 Log. 0126562 add 1 = } 1.029562) 1.0000000, &c. (.971286

Two Quarters = 1.956824

This may be continued after the same manner.

108 Value of any Annuity for Quarters. TABLEXXVI.

TABLE XXVI. The Value of any ANNUITY for One, Two and Three Quarters.

I Quar.	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
£	uxct Pts	uxct Pts	uxct Pts	uxct Pts	uxct Pts
1	024720	024678	024633	024544	024495
2	049440	049356	049266	049088	048990
3	074160	074034	073899	073632	073485
4	098880	098712	098532	098176	097980
5	123600	123390	123165	122720	122475
6	148320	148068	147798	147264	146970
7	173040	172746	172431	171808	171465
8	197760	197424	197064	196352	195960
9	222480	222102	221697	220896	220455
½ Year.					
1	049630	049569	049509	049342	049271
2	099260	099138	099018	098684	098542
3	148890	148707	148527	148026	147813
4	198520	198276	198036	197368	197084
5	248150	247845	247545	246710	246355
6	297780	297414	297054	296052	295626
7	347410	346983	346563	345394	344897
8	397040	396552	396072	394736	394168
9	446670	446121	445581	444078	443439
3 Quar.					
1	074722	074675	074630	074540	074451
2	149444	149350	149260	149080	148902
3	224166	224025	223890	223620	223353
4	298888	298700	298520	298160	297804
5	373610	373375	373150	372700	372255
6	448332	448050	447780	447240	446706
7	523054	522725	522410	521780	521157
8	597776	597400	597040	596320	595608
9	672498	672075	671670	670860	670059

HOW to construct the above TABLE.

Suppose at £6 per Cent. for One Quarter.

Put $a = £1$ Annuity, its Log. 0.0000000

$r = 1 = 0.06$ its Log. 8.7781513

Log. of 1.06 = 0.0253059 } 0.0063264
its $\frac{1}{4} =$

1.2218487 = Num. 16.6666 = Fee Simple.

1.2281751 = Num. 17.91161

Difference = .24495 per C.

TABLE XXVII.

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TABLE XXVII. Shewing the superficial Content of any Number of Feet and Inches in length and breadth, with their Content in Square Yards and Square Acres.

Feet.	By 1 Inch.	Feet.	1 $\frac{1}{4}$ Inch.	Feet.	1 $\frac{1}{2}$ Inch.	Feet.	1 $\frac{3}{4}$ Inch.
	CXUXCTPts.		CXUXCTPts.		CXUXCTPts.		CXUXCTPts.
1	000083333	1	000104166	1	000125000	1	000145833
2	000166666	2	000208333	2	000250000	2	000291666
3	000250000	3	000312500	3	000375000	3	000437500
4	000333333	4	000416666	4	000500000	4	000583333
5	000416666	5	000520833	5	000625000	5	000729166
6	000500000	6	000625000	6	000750000	6	000875000
7	000583333	7	000729166	7	000875000	7	001020833
8	000666666	8	000833333	8	001000000	8	001166666
9	000750000	9	000937500	9	001250000	9	001312500
Feet.	2 Inches.	Feet.	2 $\frac{1}{4}$ Inches.	Feet.	2 $\frac{1}{2}$ Inches.	Feet.	2 $\frac{3}{4}$ Inches.
	CXUXCTPts.		CXUXCTPts.		CXUXCTPts.		CXUXCTPts.
1	000166666	1	000187500	1	000208333	1	000229166
2	000333333	2	000375000	2	000416666	2	000458333
3	000500000	3	000562500	3	000625000	3	000687500
4	000666666	4	000750000	4	000833333	4	000916666
5	000833333	5	000937500	5	001041666	5	001145833
6	001000000	6	001125000	6	001250000	6	001375000
7	001166666	7	001312500	7	001458333	7	001604166
8	001333333	8	001500000	8	001666666	8	001833333
9	001500000	9	001687500	9	001875000	9	002062500
Feet.	3 Inches.	Feet.	3 $\frac{1}{4}$ Inches.	Feet.	3 $\frac{1}{2}$ Inches.	Feet.	3 $\frac{3}{4}$ Inches.
	CXUXCTPts.		CXUXCTPts.		CXUXCTPts.		CXUXCTPts.
1	000250000	1	000270833	1	000291666	1	000312500
2	000500000	2	000541666	2	000583333	2	000625000
3	000750000	3	000812500	3	000875000	3	000937500
4	001000000	4	001083333	4	001166666	4	001250000
5	001250000	5	001354166	5	001458333	5	001562500
6	001500000	6	001625000	6	001750000	6	001875000
7	001750000	7	001895833	7	002041666	7	002187500
8	002000000	8	002166666	8	002333333	8	002500000
9	002250000	9	002437500	9	002625000	9	002812500

110 Superficial Content of Feet, TABLE XXVII.

Feet.	4 Inches.	Feet.	4 $\frac{1}{4}$ Inches.	Feet.	4 $\frac{1}{2}$ Inches.	Feet.	4 $\frac{3}{4}$ Inches.
	CXUXCTPts.		CXUXCTPts.		CXUXCTPts.		CXUXCTPts.
1	000333333	1	000354166	1	000375000	1	000395833
2	000666666	2	000708333	2	000750000	2	000791666
3	001000000	3	001062500	3	001125000	3	001187500
4	001333333	4	001416666	4	001500000	4	001583333
5	001666666	5	001770833	5	001875000	5	001979166
6	002000000	6	002125000	6	002250000	6	002375000
7	002333333	7	002479166	7	002625000	7	002770833
8	002666666	8	002833333	8	003000000	8	003166666
9	003000000	9	003187500	9	003375000	9	003562500
Feet.	5 Inches.	Feet.	5 $\frac{1}{4}$ Inches.	Feet.	5 $\frac{1}{2}$ Inches.	Feet.	5 $\frac{3}{4}$ Inches.
	CXUXCTPts.		CXUXCTPts.		CXUXCTPts.		CXUXCTPts.
1	000416666	1	000437500	1	000458333	1	000479166
2	000833333	2	000875000	2	000916666	2	000958333
3	001250000	3	001312500	3	001375000	3	001437500
4	001666666	4	001750000	4	001833333	4	001916666
5	002083333	5	002187500	5	002291666	5	002395833
6	002500000	6	002625000	6	002750000	6	002875000
7	002916666	7	003062500	7	003208333	7	003354166
8	003333333	8	003500000	8	003666666	8	003833333
9	003750000	9	003937500	9	004125000	9	004312500
Feet.	6 Inches.	Feet.	6 $\frac{1}{4}$ Inches.	Feet.	6 $\frac{1}{2}$ Inches.	Feet.	6 $\frac{3}{4}$ Inches.
	CXUXCTPts.		CXUXCTPts.		CXUXCTPts.		CXUXCTPts.
1	000500000	1	000520833	1	000541666	1	000562500
2	001000000	2	001041666	2	001083333	2	001125000
3	001500000	3	001562500	3	001625000	3	001687500
4	002000000	4	002083333	4	002166666	4	002250000
5	002500000	5	002604166	5	002708333	5	002812500
6	003000000	6	003125000	6	003250000	6	003375000
7	003500000	7	003645833	7	003791666	7	003937500
8	004000000	8	004166666	8	004333333	8	004500000
9	004500000	9	004687500	9	004875000	9	005062500

TABLE XXVII. Superficial Content of Feet. 115

Feet.	7 Inches.	Feet.	7 $\frac{1}{4}$ Inches.	Feet.	7 $\frac{1}{2}$ Inches.	Feet.	7 $\frac{3}{4}$ Inches.
	cxuxctPts.		cxuxctPts.		cxuxctPts.		cxuxctPts.
1	000583333	1	000604166	1	000625000	1	000645833
2	001166666	2	001208333	2	001250000	2	001291666
3	001750000	3	001812500	3	001875000	3	001937500
4	002333333	4	002416666	4	002500000	4	002583333
5	002916666	5	003020833	5	003125000	5	003229166
6	003500000	6	003625000	6	003750000	6	003875000
7	004083333	7	004229166	7	004375000	7	004520833
8	004666666	8	004833333	8	005000000	8	005166666
9	005250000	9	005437500	9	005625000	9	005812500
Feet.	8 Inches.	Feet.	8 $\frac{1}{4}$ Inches.	Feet.	8 $\frac{1}{2}$ Inches.	Feet.	8 $\frac{3}{4}$ Inches.
	cxuxctPts.		cxuxctPts.		cxuxctPts.		cxuxctPts.
1	000666666	1	000687500	1	000708333	1	000729166
2	001333333	2	001375000	2	001416666	2	001458333
3	002000000	3	002062500	3	002125000	3	002187500
4	002666666	4	002750000	4	002833333	4	002916666
5	003333333	5	003437500	5	003541666	5	003645833
6	004000000	6	004125000	6	004250000	6	004375000
7	004666666	7	004812500	7	004958333	7	005104166
8	005333333	8	005500000	8	005666666	8	005833333
9	006000000	9	006187500	9	006375000	9	006562500
Feet.	9 Inches.	Feet.	9 $\frac{1}{4}$ Inches.	Feet.	9 $\frac{1}{2}$ Inches.	Feet.	9 $\frac{3}{4}$ Inches.
	cxuxctPts.		cxuxctPts.		cxuxctPts.		cxuxctPts.
1	000750000	1	000770833	1	000791666	1	000812500
2	001500000	2	001541666	2	001583333	2	001625000
3	002250000	3	002312500	3	002375000	3	002437500
4	003000000	4	003083333	4	003166666	4	003250000
5	003750000	5	003854166	5	003958333	5	004062500
6	004500000	6	004625000	6	004750000	6	004875000
7	005250000	7	005395833	7	005541666	7	005687500
8	006000000	8	006166666	8	006333333	8	006500000
9	006750000	9	006937500	9	007125000	9	007312500

112 Superficial Content of Feet, &c. TABLE XXVII.

Feet.	10 Inches.	Feet.	10 $\frac{1}{4}$ Inches.	Feet.	10 $\frac{1}{2}$ Inches.	Feet.	10 $\frac{3}{4}$ Inches.
	cxuxctPts.		cxuxctPts.		cxuxctPts.		cxuxctPts.
1	000833333	1	000854166	1	000875000	1	000895833
2	001666666	2	001708333	2	001750000	2	001791666
3	002500000	3	002562500	3	002625000	3	002687500
4	003333333	4	003416666	4	003500000	4	003583333
5	004166666	5	004270833	5	004375000	5	004479166
6	005000000	6	005125000	6	005250000	6	005375000
7	005833333	7	005979166	7	006125000	7	006270833
8	006666666	8	006833333	8	007000000	8	007166666
9	007500000	9	007687500	9	007875000	9	008062500
Feet.	11 Inches.	Feet.	11 $\frac{1}{4}$ Inches.	Feet.	11 $\frac{1}{2}$ Inches.	Feet.	11 $\frac{3}{4}$ Inches.
	cxuxctPts.		cxuxctPts.		cxuxctPts.		cxuxctPts.
1	000916666	1	000937500	1	000958333	1	000979166
2	001833333	2	001875000	2	001916666	2	001958333
3	002750000	3	002812500	3	002875000	3	002937500
4	003666666	4	003750000	4	003833333	4	003916666
5	004583333	5	004687500	5	004791666	5	004895833
6	005500000	6	005625000	6	005750000	6	005875000
7	006416666	7	006562500	7	006708333	7	006854166
8	007333333	8	007500000	8	007666666	8	007833333
9	008250000	9	008437500	9	008625000	9	008812500

Square Feet.	Square Yards.	Square Yards.	Square Acres.
	uxctxcPts.		uxctxc Pts.
1	011111111	1	0000206612
2	022222222	2	0000413223
3	033333333	3	0000619835
4	044444444	4	0000826446
5	055555555	5	0001033057
6	066666666	6	0001239669
7	077777777	7	0001446281
8	088888888	8	0001652892
9	100000000	9	0001859503

TABLE XXVIII. The Amount of £1 Compound Interest.

Years.	$3\frac{1}{2}$ per Cent.	6 per Cent.	7 per Cent.	8 per Cent.
1	1.0350	1.0600	1.0700	1.0800
2	1.0712	1.1236	1.1449	1.1664
3	1.1087	1.1910	1.2250	1.2597
4	1.1475	1.2625	1.3108	1.3605
5	1.1877	1.3382	1.4025	1.4693
6	1.2292	1.4185	1.5007	1.5869
7	1.2723	1.5036	1.6058	1.7138
8	1.3168	1.5938	1.7182	1.8509
9	1.3629	1.6895	1.8384	1.9990
10	1.4106	1.7908	1.9671	2.1589
11	1.4600	1.8983	2.1048	2.3316
12	1.5111	2.0122	2.2522	2.5182
13	1.5639	2.1329	2.4098	2.7196
14	1.6187	2.2609	2.5785	2.9372
15	1.6753	2.3965	2.7590	3.1722
16	1.7340	2.5403	2.9522	3.4259
17	1.7947	2.6928	3.1588	3.7000
18	1.8575	2.8543	3.3799	3.9960
19	1.9225	3.0256	3.6165	4.3157
20	1.9898	3.2071	3.8697	4.6609
21	2.0594	3.3996	4.1406	5.0338
22	2.1315	3.6035	4.4304	5.4365
23	2.2061	3.8197	4.7405	5.8715
24	2.2833	4.0489	5.0724	6.3412
25	2.3632	4.2919	5.4274	6.8485
26	2.4459	4.5494	5.8073	7.3963
27	2.5316	4.8223	6.2139	7.9881
28	2.6202	5.1117	6.6488	8.6271
29	2.7119	5.4184	7.1142	9.3173
30	2.8068	5.7435	7.6122	10.0627

Years.	3½ per Cent.	6 per Cent.	7 per Cent.	8 per Cent.
31	2.9050	6.0881	8.1451	10.8677
32	3.0067	6.4534	8.7153	11.7370
33	3.1119	6.8406	9.3253	12.6760
34	3.2209	7.2510	9.9781	13.6901
35	3.3336	7.6861	10.6766	14.7853
36	3.4503	8.1472	11.4239	15.9682
37	3.5710	8.6361	12.2236	17.2456
38	3.6960	9.1542	13.0793	18.6253
39	3.8254	9.7035	13.9948	20.1153
40	3.9593	10.2857	14.9744	21.7245
41	4.0978	10.9029	16.0227	23.4625
42	4.2412	11.5570	17.1442	25.3395
43	4.3897	12.2504	18.3443	27.3666
44	4.5433	12.9855	19.6285	29.5560
45	4.7023	13.7646	21.0024	31.9204
46	4.8669	14.5905	22.4726	34.4741
47	5.0373	15.4659	24.0457	37.2320
48	5.2136	16.3939	25.7289	40.2106
49	5.3961	17.3775	27.5299	43.4274
50	5.5849	18.4201	29.4570	46.9016
51	5.7804	19.5254	31.5190	50.6537
52	5.9827	20.6969	33.7253	54.7060
53	6.1921	21.9387	36.0861	59.0825
54	6.4088	23.2550	38.6121	63.8091
55	6.6331	24.6503	41.3150	68.9138
56	6.8653	26.1293	44.2070	74.4270
57	7.1056	27.6971	47.3015	80.3811
58	7.3543	29.3589	50.6126	86.8116
59	7.6117	31.1205	54.1555	93.7565
60	7.8781	32.9877	57.9464	101.2571



TABLE XXIX. Amount of £1 Annuity. 115

TABLE XXIX. Amount of £1 Annuity.

Years.	3½ per Cent.	6 per Cent.	7 per Cent.	8 per Cent.
1	1.0000	1.0000	1.0000	1.0000
2	2.0350	2.0600	2.0700	2.0800
3	3.1062	3.1836	3.2149	3.2464
4	4.2149	4.3746	4.4999	4.5061
5	5.3625	5.6371	5.7507	5.8666
6	6.5501	6.9753	7.1533	7.3359
7	7.7794	8.3938	8.6540	8.9228
8	9.0517	9.8975	10.2598	10.6366
9	10.3685	11.4913	11.9780	12.4875
10	11.7314	13.1807	13.8164	14.4866
11	13.1420	14.9716	15.7836	16.6455
12	14.6020	16.8699	17.8884	18.9771
13	16.1130	18.8821	20.1406	21.4953
14	17.6770	21.0151	22.5505	24.2149
15	19.2959	23.2760	25.1290	27.1521
16	20.9710	25.6725	27.8880	30.3243
17	22.7050	28.2129	30.8402	33.7502
18	24.4997	30.9056	33.9990	37.4502
19	26.3572	33.7600	37.3790	41.4463
20	28.2797	36.7856	40.9955	45.7620
21	30.2695	39.9927	44.8652	50.4229
22	32.3289	43.3923	49.0057	55.4567
23	34.4604	46.9958	53.4361	60.8933
24	36.6665	50.8156	58.1767	66.7647
25	38.9498	54.8645	63.2490	73.1059
26	41.3131	59.1564	68.6765	79.9544
27	43.7591	63.7058	74.4838	87.3508
28	46.2906	68.5281	80.6977	95.3388
29	48.9108	73.6398	87.3465	103.9659
30	51.6227	79.0582	94.4608	113.2832

Years.	3½ per Cent.	6 per Cent.	7 per Cent.	8 per Cent.
31	54.4295	84.8017	102.0730	123.3459
32	57.3345	90.8898	110.2181	134.2135
33	60.3412	97.3432	118.9534	145.9506
34	63.4531	104.1837	128.2588	158.0267
35	66.6740	111.4348	138.2369	172.3168
36	70.0076	119.1209	148.9135	187.1021
37	73.4579	127.2681	160.3374	203.0703
38	77.0289	135.9042	172.5610	220.3159
39	80.7249	145.0584	185.6403	238.9412
40	84.5503	154.7620	199.6351	259.0565
41	88.5095	165.0477	214.6096	280.7810
42	92.6074	175.9505	230.6322	304.2435
43	96.8486	187.5076	247.7765	329.5830
44	101.2383	199.7580	266.1208	356.9496
45	105.7817	212.7435	285.7493	386.5056
46	110.4840	226.5081	306.7518	418.4261
47	115.3510	241.0986	329.2244	452.9001
48	120.3882	256.5645	353.2701	490.1322
49	125.6018	272.9584	378.9990	530.3427
50	130.9979	290.3359	406.5289	573.7701
51	136.5828	308.7560	435.9859	620.6718
52	142.3632	328.2814	467.5050	671.3255
53	148.3459	348.9783	501.2303	726.0315
54	154.5380	370.9170	537.3164	785.1141
55	160.9469	394.1720	575.9286	848.9232
56	167.5800	418.8223	617.2436	917.8370
57	174.4453	444.9517	661.4506	992.2640
58	181.5509	472.6488	708.7522	1072.6451
59	188.9052	502.0077	759.3648	1159.4567
60	196.5169	533.1282	813.5204	1253.2133





T H E
U S E a n d E X P L A N A T I O N
of the TABLES of *Compound Interest*.

THE Tables of COMPOUND INTEREST need very little Explanation, being calculated on the same Principles with Table I. only with this Difference, in Table I. the Answer is given in Pence, and in these Tables the Answer is given in Pounds, and the Parts of a Pound. The Use of them is made very plain in the Solution of the following Problems.

P R O B L E M I .

What will £256 : 10 : 6 amount to being forborn 25 Years at £5 per Cent. per Annum, computing Interest yearly?

SOLUTION.

	£ Pts.
In Table X. under 25 Years and against 2 and under the Letter c you will find — — — — —	} 677.271
Then under x against 5 is — — — — —	169.317
And under u against 6 is — — — — —	20.318
	<hr/> 866.906
	Reduced by 20
	<hr/> * s. 18.120
10 Shillings under x is — — — — —	33.863
	<hr/> 51.983
	Reduced by 12
	<hr/> 11.796
6 Pence under u is — — — — —	20.318
	<hr/> d. 32.114

* Always point off as many Figures as there are Places in the Parts,

118 The Use and Explanation of Table II, &c.

Which Sums added together as under make,

	£	s.	d.
	866	—	—
51 Shillings is	—	—	2 : 11 : —
32 Pence is	—	—	— : 2 : 8
<hr/>			
Answer,	£ 868	: 13	: 8
<hr/>			

PROBLEM II.

What is the present Worth of £5000 to be received 40 Years hence, computing Interest at £5 per Cent. per Annum?

SOLUTION.

In Table XI. under 40 Years, and under τ against 5 is found £710.228, reduced makes £710 : 4 : 6 $\frac{3}{4}$.

PROBLEM III.

What will £80 Annuity amount to in 15 Years at £5 per Cent. per Annum, yearly Payments?

SOLUTION.

In Table XII. under 15 Years, and under x against 8 is found the Sum £1726.285, or £1726 : 5 : 8 $\frac{1}{4}$ the Answer.

PROBLEM IV.

What Sum of Money must be given for an Annuity or Rent of £80 per Annum, yearly Payments, to continue 20 Years, at £5 per Cent. per Annum?

SOLUTION.

In Table XIII. under 20 Years, and under x against 8 is found £996.976 or £996 : 19 : 6 the Answer.

PROBLEM V.

What Sum of Money must be given for an Annuity for 20 Years, at £80 a Year, to be received half yearly, at £5 per Cent.?

SOLUTION.

The Answer being found as in the last Problem is £996.976 Parts, with this Sum enter Table XXV, under £5 per Cent. half yearly.

The Use and Explanation of Table II, &c. 119

£		£	Pts.
900	under the second c is found	11.1132	
90	— — — x — —	1.1113	
6	— — — u — —	0.0740	
Parts .9	under the first x — —	0.0111	
1070	— — — c — —	0.0008	

Add the above £ 996.976 ^{12.3105}

$$£ 1009.286 = 5s. 8\frac{3}{4}d.$$

Answer, £ 1009 : 5 : $8\frac{3}{4}$

PROBLEM VI.

What will £500 amount to being forborn $17\frac{1}{2}$ Years, at £5 per Cent. per Annum?

SOLUTION.

In Table X. under 17 Years is found £1146.009 or $2\frac{1}{2}d.$ with this Sum enter Table XXIV. as directed in the preceding Problem, half a Year at £5 per Cent.

£				£ Pts.
1000	—	is	—	24.695
100	—	—	—	2.469
40	—	—	—	.987
6	—	—	—	.148

28.300
1146.009

Answer, £ 1174.309

PROBLEM VII.

What will an Annuity of £50 amount to in $12\frac{1}{2}$ Years, at $\text{£}5$ per Cent. per Annum?

SOLUTION.

Per Table XII, at £ 5 per Cent. for 12 Years £50 amount to
£795.856, with this Sum enter Table XXIV, for half a Year
at £ 5 per Cent.

120 The Use and Explanation of Table II, &c.

£				is				£ Pts.
700	—	—	—	—	—	—	—	17.286
90	—	—	—	—	—	—	—	2.222
5	—	—	—	—	—	—	—	0.123
.8 Parts	—	—	—	—	—	—	—	0.019
.050	—	—	—	—	—	—	—	0.001

19.653

Add to this the Value of half a Year's £50 Annuity }
found in Table XXVI. under $\frac{1}{2}$ a Year at £5 per C. } 24.671

44.324

Then add as above 795.856

Answer, £840 : 3 : 7 $\frac{1}{4}$

£840.180

PROBLEM VIII.

A Person having taken a Lease of a House for 21 Years, at £370 Fine and £100 per Annum Rent, Quarterly Payments, at the End of two Years is willing to leave it for £300 and the old Rent; or to have such an Increase of Rent, during the whole Term yet to come, as may reimburse him his Fine paid with Compound Interest at £6 per Cent. per Annum. The Question is, What ought he to receive in advance of Rent, and what doth he offer to lose of his Fine in taking £300.

SOLUTION.

In Table XV. seek the present Worth of £1 Annuity at £6 per Cent. for 21 Years, and you will find it £11.764, and with this Sum, multiplied by 4, enter Table XXV. at £6 per Cent. Quarterly Payments, as under.

	£	Pts.
11.764	47.056	
4=Quarters.	£40	is — 0.888
	7	— 0.155
£47.056	105	— 0.001
	£48.102	

Then divide the £370 Fine by £48.102, and the Quotient will be £7.692, or £7 : 13 : 10 $\frac{1}{4}$, the advance Rent required.

Again, Seek the present Worth of £1 Annuity for £6 per Cent. for 19 Years, being the Remainder of the Term, and you will find it in Table XV. £11.158, with this Sum, multiplied by 4, enter Table XXV.

	£	Pts.
	11.	158
		4
	<hr/>	
	44.	632
£ 40 by Table XXV. is	0.	888
4 — — — —	0.	088
.6 — — — —	0.	013
	<hr/>	
	£	45.624

Then multiply £45.624 by the Advance of Rent, viz. £7.692 and the Product will be £350.941 or £350 : 18 : 10, which is the present Fine he ought to take, whereby it appears by taking only £300 Fine he offers to lose £50 : 18 : 10 in putting off his House as aforementioned.

PROBLEM IX.

A. sells a House to B. for £800 to be paid with Interest upon Interest at £100 *per Annum*, Quarterly Payments, the Question is how many Years Rent B. must pay A. rating Compound Interest £6 *per Cent. per Annum*?

SOLUTION.

In Table XXIV. seek at £6 *per Cent.* the Interest of £100 for One Quarter, and you will find under c £1.4674, then by the Rule of Three, say,

£	Pts.	£	£
If 1.4674	—	100	—
		25	25 One Quarter's Rent.

$$1.4674 \quad) \quad 2500.00000 \quad (\quad 1703.70 \text{ nearly.}$$

From 1703.70
Take 800.

Rem. 903.70) 1703.70 (1.8853 = the Amount of £1 for 10 $\frac{3}{4}$ Years.

Found thus, seek the nearest Amount of £1 at £6 *per Cent. per Annum*, and you will find it in Table XXVIII.

Against 11 Years 1.8983
Subtract 1.8853

Multiplied by 0.0130 4 Quarters,

0.0520

R

122 The Use and Explanation of Table II, &c.

Seek £0.0520 or its nearest Number in Table XXIV. under £6 per Cent. and you will have against £1 for three Quarters, at £6 per Cent. under v, £0.0446 therefore .0520 is a little better than three Quarters.

Answer, A. will be satisfied in $10\frac{3}{4}$ Years.

PROBLEM X.

A Landlord demands £240 for the Lease of a House for seven Years, the Tenant offers £100 and an Advance of Rent equivalent to the rest of the Fine required, what ought this Rent to be, Interest at £6 per Cent. per Annum, Quarterly Payments?

SOLUTION.

7 Years at £6 per Cent. by Table XV. is 5.5823
4

Per Table XXV. £20 — — 22.3292
£r. .4443
.0444
.0066
.0004
22.8250

240
100
—

22.825) 140.000 (6.133 = £6 : 2 : 8

Answer, The Advance of Rent ought to be £6 : 2 : 8 per Quarter, or £24 : 10 : 8 per Year.

PROBLEM XI.

Let it be required to find the present Worth of £1 per Quarter or £4 per Annum, Quarterly Payments, at £6 per Cent. per Annum, for $20\frac{1}{2}$ Years.

SOLUTION.

20 Years at £6 per Cent. Table XXVIII. 3.207
 $\frac{1}{2}$ Year per Table XXV. £3 — 0.044
.3 — 0.003

3.255 amount of £1.

The Use and Explanation of Table II, &c. 123

Again,

20 Years at £6 per Cent. Table XXIX. 36.785

½ Year per Table XXV. £30 — 0.443

6 — 0.088

.7 — 0.010

.08 — 0.001

Per Table XXVI. ½ Year's Annuity at £6 }
per Cent. — — — — } 0.492

37.819

20½ Years — — — 37.819 for Quarterly Payments.

See Table XXV. £30 — 0.666

7 — 0.155

.8 — 0.017

Amount of £1. 3.255) 38.657 (11.875 = £1 per Ann.
4 = £1 per Quar.

£ 47.503 = £4 per Ann.

Answer, £ 47 : 10 : —¾ = present Value.

PROBLEM XII.

What Annuity, to continue 21 Years, to be paid half yearly, will £4235 purchase, computing at the Rate of £4 per Cent. per Annum?

SOLUTION.

In Table IX. at £4 per Cent. under 21 Years, the first nearest Sum to £4235 is found £4208.748, and against it stands 3, which denotes £300, the purchase Money, standing under c. Then for the remaining £27 in the same manner is found £2 Annuity, so that the Answer is £302.8 Annuity, yearly Payments.

Then for half yearly Payments enter Table XXV. and against £300 you will find £2.9, which subtracted from £302.8 leaves £300 nearly, being the Annuity required.



The CASES of ANNUITIES in *Reversion*.

CASE I.

Given any Annuity, the Rate of Interest, the Time of Continuance, and the Time of Commencement, required its present Worth.

Example.

What is the present Worth of an Annuity of £1500 a Year, to continue 50 Years, to commence 14 Years hence at £5 per Cent. per Annum?

Seek the Value of £1500 per Ann. for 50 Years, } 27383.886
by Table XIII. — — — — —

Seek ditto for 14 Years, by ditto — — — — — 14847.960

Answer = 12535.926

CASE II.

Given the present Worth of any yearly Sum, the Rate of Interest, the Time of its continuance and Time of commencement, required the Annuity.

Example.

What Annuity will £12535.926 purchase to commence 14 Years hence, and to continue 36 Years, Interest at £5 per Cent. per Annum?

Seek the present Value of £1 Annuity for 50 Years } 18.2559
and you will find it by Table XIII. — — — — —

Ditto of £1 Annuity for 14 Years — — — — — 9.8986

8.3573

8.3573) 12535.9260 (£1500 per Ann. ferè.

8357.3

4178.62

4178.65

0

36

14

50 Years.

CASE III.

Given the Annuity, present Worth, the Time of Commencement, and Rate of Interest, required the Time of Continuance.

Example.

An Annuity of £1500 per Annum, to commence 14 Years hence is worth £12535 : 18 : 6 at £5 per Cent. required the Time of its Continuance.

The Cases of Annuities in Reversion. 125

The Amount of £ 1 forborn 14 Years at £ 5 per Cent.
is £ 1.9799 by Table X.

Then 12535.926
1.98

100287408
112823334
12535926
24821.13348

Then 1500) 24821.1335 (16.546 = the present Worth
1500 of £ 1 per Annum to
continue 36 Years,

9821
9000

8211
7500

7113, &c.

Answer, 36 Years.

CASE IV.

Given the present Worth of an Annuity, likewise the Annuity, the Rate of Interest, and the Time of its Continuance, required the Time of Commencement.

Example.

An Annuity of £ 1500 per Annum, to continue 36 Years from the Time of Commencement is worth £ 12535 : 18 : 6 at £ 5 per Cent. required the Time of Commencement.

Seek the present Worth of £ 1500 a Year under 36 Years, by Table XIII.

Found to be 1000 — 18235.924
500 — 9127.962
27383.886

£ 1000 for 36 Yrs. 16546.851
£ 500 for 36 Yrs. 8273.425

12535.926) 24820.276 (1.9799 ferè = amount of 1 for-
12284.3500 born 14 Years.
1002.0166
24.50178

Answer, 14 Years.

126 Cases of Freehold Estates in Reversion.

CASES of FREEHOLD ESTATES in Reversion.

CASE I.

Given the yearly Rent, the Time of Commencement, and Rate of Interest, required the present Worth of the Estate.

Example.

What Purchase Money must be given for a Freehold Estate of £1500 a Year, to commence 14 Years hence at £5 per Cent. per Annum?

Seek the present Worth of £1500 a Year for 14 }
Years, and it is found to be by Table XIII. — } 14847.960
Subtract this Sum from the Perpetuity or Fee Sim- }
ple at £5 per C. found in Tables of Fee Simple } 30000.000

Answer, £ 15152.040

CASE II.

Given the Purchase Money of an Annuity, likewise the Rate of Interest, and Time of Commencement, required the Annuity.

Example.

What Annuity at £5 per Cent. to commence 14 Years hence, will £15152 : 0 : 10 purchase?

Seek what £1 will amount to in 14 Years, }
and you will find by Table X. — — } 1.9799

Multiplied by Purchase Money 15152.04

30000	79196
5	39598
2100) 1500100	98995
	19799
	98995
	19799
	—————

Answer, £1500 a Year.

30.000 = 29999.523996

CASE III.

Given the Purchase Money of an Annuity, the Annuity itself, and the Rate of Interest, required the Time of Commencement.

Example.

An Annuity of £1500 a Year cost £15152 : 0 : 10, at £5 per Cent. required the Time of Commencement?

15152.040

1500

100

5

75760.200)

150000. (1.9799 = the Amount of £1
74239.8 to continue 14 Years.
6055.70

The USE of the TABLES of the Superficial Content of Feet, Inches, &c.

EXAMPLE I.

What is the superficial Content of a Piece of Ground 450 Feet 10 Inches by 120 Feet 8 Inches.

First 450
By 120

54000

Then 450 Feet by 8 Inches will be by Table XXVII.

Feet.		Feet. Pts.
400	— — — — —	266.666
50	— — — — —	33.333
Then 100 by 10 Inches	— — — — —	83.333
20 ditto	— — — — —	16.666
		400.000

In. Pts.

And 10 Inches by 8 Inches by ditto — 6.666 = $\frac{2}{3}$

Answer, 54400 square Feet $6\frac{2}{3}$ Inches.

EXAMPLE II.

There is a Piece of Ground whose superficial Content is 28466 Yards, required its Content in Square Acres.

Yards.	Acres.
20.000	= 4.132
8.000	= 1.652
.400	= .083
60	= .012
6	= .001

5.881

4 Roods.

A. R. P.

Answer, 5 : 3 : 20 $\frac{26}{100}$

3.524

40 Poles.

20.960



THE USE OF THE TABLE OF THE PROBABILITIES OF THE
THE TABLE, ETC.

TABLE XXVII

THE TABLE OF THE PROBABILITIES OF THE
THE TABLE, ETC.

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THE TABLE, ETC.

THE TABLE OF THE PROBABILITIES OF THE
THE TABLE, ETC.

T A B L E S

For the VALUATION of
LIFE ANNUITIES,
UPON

One, Two, or Three LIVES, at
£3, $3\frac{1}{2}$, 4, 5, and 6, *per Cent.*

Deduced from 30 Years OBSERVATIONS from the
Bills of Mortality of the City of *London*, with
their Application in solving the most useful
PROBLEMS on that Subject.

To which are added,

The TABLES of Mr DE MOIVRE,
Re-calculated at the above Rates of Interest, with their Logarith-
mical and Arithmetical Application in solving several
curious PROBLEMS.



A TABLE shewing the PROBABILITIES
the Bills of Mortality of the City of *London*,

☞ The Numbers marked — denote the Number of Persons
the Decrements

Age.	N ^o of Persons	Age.	N ^o of Persons	Age.	N ^o of Persons	Age.	N ^o of Persons	Age.	N ^o of Persons
	1000	10	516	20	485	30	408	40	312
	—230		—4		—7		—9		—10
1	750	11	512	21	478	31	399	41	302
	—113		—3		—7		—9		—10
2	637	12	509	22	471	32	390	42	292
	—40		—3		—7		—9		—10
3	597	13	506	23	464	33	381	43	282
	—27		—2		—8		—9		—10
4	570	14	504	24	456	34	372	44	272
	—20		—2		—8		—10		—10
5	550	15	502	25	448	35	362	45	262
	—10		—2		—8		—10		—10
6	540	16	500	26	440	36	352	46	252
	—9		—3		—8		—10		—10
7	531	17	497	27	432	37	342	47	242
	—6		—3		—8		—10		—9
8	525	18	494	28	424	38	332	48	233
	—5		—4		—8		—10		—9
9	520	19	490	29	416	39	322	49	224
	—4		—5		—8		—10		—9
10	516	20	485	30	408	40	312	50	215

Table of Probabilities of Life. 131

of LIFE, made from Observations from
from the Year 1731, to the Year 1761.

supposed to die off yearly, and therefore may be properly called
of Life.

Age.	N ^o of Persons	Age.	N ^o of Persons	Age.	N ^o of Persons	Age.	N ^o of Persons	Age.	N ^o of Persons
50	215	60	135	70	72	80	27	90	4
	— 9		— 7		— 5		— 3		— 1
51	206	61	128	71	67	81	24	91	3
	— 9		— 7		— 5		— 3		— 1
52	197	62	121	72	62	82	21	92	2
	— 8		— 7		— 5		— 3		— 1
53	189	63	114	73	57	83	18	93	1
	— 8		— 6		— 5		— 3		— 1
54	181	64	108	74	52	84	15	94	0
	— 8		— 6		— 5		— 3		Here Life is extinct.
55	173	65	102	75	47	85	12		
	— 8		— 6		— 4		— 2		
56	165	66	96	76	43	86	10		
	— 8		— 6		— 4		— 2		
57	157	67	90	77	39	87	8		
	— 8		— 6		— 4		— 2		
58	149	68	84	78	35	88	6		
	— 7		— 6		— 4		— 1		
59	142	69	78	79	31	89	5		
	— 7		— 6		— 4		— 1		
60	135	70	72	80	27	90	4		

Table XXX. The present Value of an Annuity

Age.	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
1	16.441	15.079	13.809	11.983	10.495
2	18.938	17.376	15.909	13.815	12.098
3	19.814	18.189	16.654	14.477	12.684
4	20.375	18.717	17.141	14.921	12.081
5	20.749	19.077	17.475	15.237	13.371
6	20.753	19.110	17.510	15.295	13.435
7	20.767	19.114	17.679	15.332	13.483
8	20.619	19.010	17.428	15.283	13.455
9	20.443	18.864	17.299	15.201	13.399
10	20.220	18.680	17.231	15.085	13.314
11	19.988	18.480	17.159	14.963	13.222
12	19.710	18.239	16.950	14.803	13.099
13	19.421	17.990	16.733	14.636	12.967
14	19.083	17.694	16.471	14.428	12.799
15	18.734	17.386	16.198	14.210	12.621
16	18.373	17.066	15.913	13.984	12.432
17	18.039	16.770	15.650	13.768	12.258
18	17.693	16.463	15.375	13.544	12.072
19	17.372	16.178	15.120	13.338	11.901
20	17.078	15.917	14.887	13.149	11.745
21	16.848	15.715	14.709	13.008	11.632
22	16.611	15.507	14.525	12.862	11.513
23	16.367	15.292	14.334	12.709	11.388
24	16.154	15.105	14.169	12.578	11.283
25	15.936	14.913	13.979	12.443	11.174
26	15.713	14.715	13.823	12.303	11.059
27	15.484	14.512	13.643	12.157	10.940
28	15.249	14.304	13.460	12.006	10.815
29	15.009	14.088	13.263	11.845	10.685
30	14.762	13.868	13.064	11.685	10.548
31	14.548	13.677	12.893	11.546	10.433
32	14.330	13.482	12.718	11.403	10.314
33	14.109	13.284	12.540	11.256	10.191
34	13.883	13.081	12.357	11.105	10.064
35	13.695	12.913	12.206	10.982	9.963
36	13.507	12.745	12.055	10.859	9.860
37	13.319	12.577	11.904	10.735	9.758
38	13.132	12.409	11.753	10.611	9.655
39	12.945	12.242	11.602	10.488	9.552
40	12.761	12.077	11.453	10.365	9.449

TABLE XXX.

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of £1 for a Single Life at the following Rates.

	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
41	12.579	11.914	11.306	10.244	9.348
42	12.400	11.753	11.161	10.124	9.248
43	12.225	11.595	11.019	10.007	9.151
44	12.055	11.442	10.881	9.894	9.056
45	11.891	11.295	10.748	9.785	8.966
46	11.733	11.154	10.621	9.682	8.881
47	11.585	11.021	10.503	9.586	8.803
48	11.393	10.848	10.345	9.454	8.692
49	11.206	10.679	10.191	9.326	8.583
50	11.026	10.515	10.042	9.202	8.479
51	10.852	10.358	9.900	9.084	8.380
52	10.689	10.211	9.766	8.974	8.289
53	10.476	10.016	9.587	8.822	8.158
54	10.267	9.824	9.412	8.672	8.030
55	10.064	9.638	9.240	8.527	7.906
56	9.868	9.459	9.076	8.388	7.786
57	9.682	9.289	8.920	8.256	7.674
58	9.508	9.131	8.775	8.134	7.571
59	9.276	8.916	8.576	7.962	7.421
60	9.049	8.707	8.381	7.793	7.274
61	8.831	8.504	8.193	7.630	7.132
62	8.622	8.311	8.014	7.475	6.998
63	8.426	8.130	7.846	7.331	6.873
64	8.161	7.882	7.613	7.125	6.690
65	7.901	7.638	7.383	6.922	6.509
66	7.646	7.399	7.158	6.722	6.330
67	7.401	7.169	6.941	6.529	6.157
68	7.167	6.949	6.734	6.345	5.993
69	6.949	6.746	6.543	6.175	5.841
70	6.755	6.564	6.371	6.024	5.708
71	6.387	6.282	6.121	5.796	5.502
72	6.109	6.043	5.879	5.577	5.302
73	5.845	5.803	5.650	5.370	5.113
74	5.599	5.583	5.441	5.181	4.941
75	5.380	5.393	5.261	5.019	4.795
76	5.157	5.102	4.980	4.739	4.555
77	5.007	4.822	4.711	4.510	4.324
78	4.747	4.561	4.459	4.277	4.107
79	4.520	4.323	4.236	4.070	3.915
80	4.231	4.137	4.058	3.907	3.765

TABLE XXXI.
TABLE XXXI. For the Valuation

Age.	mean 3 per Cent.	$3\frac{1}{2}$ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
1	10.246	9.552	8.936	7.896	7.056
2	13.630	12.704	11.883	10.492	9.369
3	14.983	13.970	13.069	11.543	10.306
4	15.921	14.861	13.910	12.295	10.984
5	16.622	15.520	14.538	12.866	11.505
6	16.761	15.664	14.685	13.015	11.652
7	16.854	15.767	14.794	13.132	11.772
8	16.758	15.694	14.739	13.106	11.766
9	16.594	15.557	14.625	13.028	11.713
10	16.358	15.352	14.447	12.892	11.609
11	16.113	15.138	14.261	12.749	11.498
12	15.793	14.853	14.007	12.545	11.333
13	15.460	14.556	13.740	12.329	11.156
14	15.051	14.185	13.403	12.048	10.919
15	14.626	13.799	13.051	11.752	10.667
16	14.186	13.397	12.682	11.438	10.397
17	13.788	13.033	12.349	11.155	10.155
18	13.375	12.654	11.999	10.856	9.895
19	13.002	12.312	11.683	10.586	9.661
20	12.669	12.007	11.403	10.345	9.453
21	12.434	11.793	11.209	10.183	9.315
22	12.191	11.572	11.006	10.012	9.169
23	11.938	11.341	10.794	9.833	9.016
24	11.732	11.153	10.623	9.689	8.895
25	11.519	10.959	10.446	9.541	8.768
26	11.300	10.759	10.263	9.385	8.635
27	11.074	10.552	10.107	9.223	8.496
28	10.841	10.337	9.874	9.053	8.349
29	10.600	10.115	9.668	8.875	8.193
30	10.350	9.883	9.453	8.688	8.029
31	10.147	9.696	9.279	8.538	7.899
32	9.989	9.504	9.101	8.384	7.763
33	9.727	9.307	8.918	8.224	7.623
34	9.509	9.104	8.729	8.058	7.476
35	9.343	8.950	8.587	7.934	7.368
36	9.178	8.798	8.445	7.811	7.260
37	9.014	8.646	8.303	7.688	7.152
38	8.853	8.496	8.164	7.566	7.045
39	8.693	8.348	8.026	7.446	6.939
40	8.537	8.202	7.890	7.327	6.834

TABLE XXXI.

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of Annuities on Two joint Lives.

mean Age.	3 per Cent.	$3\frac{1}{2}$ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
41	8.386	8.061	7.758	7.212	6.732
42	8.239	7.925	7.631	7.010	6.633
43	8.099	7.794	7.509	6.993	6.539
44	7.966	7.671	7.394	6.892	6.450
45	7.843	7.557	7.288	6.800	6.369
46	7.733	7.454	7.193	6.718	6.297
47	7.637	7.366	7.112	6.649	6.238
48	7.485	7.224	6.979	6.531	6.133
49	7.342	7.089	6.853	6.420	6.034
50	7.208	6.965	6.736	6.317	5.943
51	7.088	6.853	6.631	6.225	5.862
52	6.983	6.756	6.541	6.147	5.795
53	6.814	6.595	6.390	6.012	5.673
54	6.652	6.444	6.246	5.883	5.557
55	6.500	6.300	6.111	5.762	5.448
56	6.361	6.169	5.987	5.652	5.348
57	6.236	6.052	5.877	5.554	5.262
58	6.131	5.955	5.786	5.475	5.192
59	5.953	5.786	5.625	5.329	5.060
60	5.785	5.626	5.472	5.191	4.984
61	5.627	5.477	5.331	5.063	4.818
62	5.487	5.343	5.204	4.950	4.715
63	5.367	5.230	5.097	4.853	4.639
64	5.159	5.031	4.907	4.679	4.468
65	4.957	4.838	4.721	4.508	4.319
66	4.764	4.653	4.543	4.343	4.157
67	4.583	4.479	4.375	4.189	4.014
68	4.419	4.322	4.224	4.049	3.884
69	4.279	4.188	4.094	3.930	3.775
70	4.173	4.087	3.997	3.843	3.697
71	3.963	3.885	3.801	3.660	3.525
72	3.767	3.696	3.616	3.488	3.363
73	3.591	3.526	3.449	3.333	3.218
74	3.444	3.385	3.310	3.206	3.099
75	3.342	3.288	3.214	3.120	3.021
76	3.113	3.066	2.994	2.914	2.825
77	2.898	2.858	2.785	2.719	2.641
78	2.707	2.672	2.596	2.545	2.476
79	2.492	2.486	2.407	2.369	2.311
80	2.277	2.300	2.218	2.195	2.146

TABLE XXXII. For the Valuation of

mean Age.	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
1	22.636	20.606	18.682	16.070	13.934
2	24.246	22.048	19.935	17.138	14.827
3	24.645	22.408	20.239	17.411	15.062
4	24.829	22.573	20.372	17.547	15.178
5	24.876	22.634	20.412	17.608	15.237
6	24.745	22.556	20.385	17.575	15.208
7	24.680	22.461	20.244	17.532	15.194
8	24.480	22.326	20.117	17.460	15.144
9	24.293	22.171	19.973	17.374	15.085
10	24.082	22.008	19.815	17.278	15.019
<hr/>					
11	23.863	21.822	20.057	17.177	14.946
12	23.627	21.625	19.893	17.061	14.865
13	23.382	21.424	19.726	16.943	14.778
14	23.115	21.203	19.539	16.808	14.679
15	22.842	20.973	19.345	16.668	14.575
16	22.560	20.735	19.144	16.530	14.467
17	22.290	20.507	18.951	16.381	14.361
18	22.011	20.272	18.751	16.232	14.249
19	21.742	20.044	18.557	16.090	14.141
20	21.487	19.827	18.371	15.953	14.087
<hr/>					
21	21.262	19.637	18.209	15.833	13.949
22	21.031	19.442	17.944	15.712	13.857
23	20.796	19.243	17.874	15.585	13.760
24	20.576	19.057	17.715	15.467	13.671
25	20.353	18.867	17.512	15.345	13.580
26	20.126	18.671	17.383	15.221	13.483
27	19.894	18.472	17.179	15.091	13.384
28	19.657	18.271	17.046	14.959	13.281
29	19.418	18.061	17.853	14.815	13.177
30	19.174	17.853	16.675	14.682	13.067
<hr/>					
31	18.949	17.658	16.507	14.454	12.967
32	18.671	17.460	16.335	14.422	12.865
33	18.491	17.261	16.162	14.288	12.759
34	18.257	17.058	15.985	14.152	12.652
35	18.047	16.876	15.825	14.030	12.558
36	17.836	16.692	15.665	13.907	12.460
37	17.624	16.508	15.505	13.782	12.364
38	17.411	16.322	15.342	13.656	12.265
39	17.197	16.136	15.178	13.530	12.165
40	16.985	15.952	15.016	13.403	12.064

T A B L E XXXII.

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Annuities upon the longest of Two Lives.

mean Age.	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
41	16.772	15.767	14.854	13.276	11.964
42	16.561	15.581	14.691	13.158	11.863
43	16.351	15.396	14.529	13.021	11.763
44	16.144	15.213	14.368	12.896	11.662
45	15.939	15.033	14.208	12.770	11.563
46	15.733	14.854	14.049	12.646	11.465
47	15.533	14.676	13.894	12.523	11.368
48	15.301	14.472	13.711	12.377	11.251
49	15.070	14.268	13.529	12.232	11.132
50	14.844	14.065	13.348	12.087	11.015
51	14.616	13.863	13.169	11.943	10.898
52	14.395	13.666	12.991	11.801	10.783
53	14.138	13.437	12.784	11.632	10.643
54	13.882	13.204	12.578	11.461	10.503
55	13.628	12.976	12.369	11.292	10.364
56	13.375	12.749	12.165	11.124	10.224
57	13.128	12.526	11.963	10.958	10.086
58	12.885	12.207	11.764	10.793	9.950
59	12.599	12.046	11.527	10.595	9.782
60	12.313	11.788	11.290	10.395	9.564
61	12.035	11.531	11.055	10.197	9.446
62	11.757	11.279	10.824	10.000	9.281
63	11.485	11.030	10.595	9.809	9.116
64	11.163	10.733	10.319	9.571	8.912
65	10.845	10.438	10.045	9.336	8.708
66	10.528	10.145	9.773	9.101	8.503
67	10.219	9.859	9.507	8.869	8.300
68	9.915	9.576	9.244	8.641	8.102
69	9.619	9.204	8.992	8.420	7.907
70	9.337	9.041	8.745	8.205	7.719
71	8.811	8.679	8.441	7.934	7.479
72	8.451	8.390	8.142	7.666	7.241
73	8.099	8.080	7.851	7.407	7.008
74	7.754	7.781	7.572	7.156	6.783
75	7.418	7.498	7.308	6.918	6.569
76	7.201	7.138	6.966	6.604	6.285
77	7.116	6.786	6.637	6.301	6.007
78	6.787	6.448	6.322	6.009	5.738
79	6.458	6.160	6.075	5.771	5.519
80	6.129	5.974	5.898	5.619	4.384

mean Age.	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
1	6.745	6.383	5.969	5.280	4.795
2	10.340	9.791	9.133	8.049	7.296
3	11.938	11.338	10.540	9.506	8.395
4	13.127	12.482	11.579	10.468	9.462
5	14.050	13.340	12.404	11.234	10.164
6	14.291	13.632	12.630	11.464	10.384
7	14.481	13.838	12.814	11.659	10.576
8	14.432	13.735	12.789	11.667	10.599
9	14.298	13.679	12.688	11.608	10.562
10	14.072	13.489	12.504	11.474	10.459
11	13.837	13.290	12.311	11.332	10.348
12	13.505	13.100	12.062	11.110	10.164
13	13.160	12.800	11.768	10.874	9.967
14	12.717	12.407	11.385	10.557	9.691
15	12.255	12.351	10.982	10.218	9.396
16	11.775	11.571	10.649	9.858	9.080
17	11.350	11.111	10.382	9.540	8.800
18	10.905	10.720	9.990	9.200	8.499
19	10.559	10.340	9.667	8.899	8.231
20	10.216	9.982	9.249	8.576	7.942
21	9.991	9.713	9.177	8.465	7.848
22	9.757	9.438	8.976	8.290	7.696
23	9.511	9.128	8.764	8.105	7.532
24	9.321	8.953	8.603	7.966	7.412
25	9.125	8.850	8.436	7.820	7.285
26	8.920	8.586	8.261	7.667	7.151
27	8.708	8.390	8.078	7.506	7.009
28	8.499	8.184	7.885	7.366	6.858
29	8.269	7.969	7.682	7.156	6.697
30	8.028	7.742	7.474	6.964	6.525
31	7.841	7.568	7.304	6.819	6.395
32	7.649	7.387	7.134	6.667	6.258
33	7.450	7.201	6.957	6.508	6.115
34	7.244	7.007	6.773	6.341	5.964
35	7.097	6.870	6.644	6.226	5.861
36	6.950	6.734	6.515	6.110	5.757
37	6.817	6.599	6.387	5.994	5.650
38	6.675	6.466	6.260	5.880	5.550
39	6.536	6.335	6.136	5.768	5.449
40	6.399	6.207	6.041	5.657	5.349

T A B L E XXXIII.

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of three joint Lives.

mean Age.	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
41	6.269	6.084	5.897	5.550	5.252
42	6.143	5.967	5.785	5.447	5.161
43	6.025	5.856	5.679	5.349	5.073
44	5.916	5.754	5.580	5.259	4.993
45	5.813	5.664	5.494	5.179	4.923
46	5.734	5.588	5.421	5.112	4.863
47	5.669	5.531	5.366	5.074	4.820
48	5.542	5.414	5.267	4.970	4.724
49	5.425	5.306	5.150	4.873	4.635
50	5.319	5.211	5.057	4.786	4.556
51	5.228	5.131	4.979	4.712	4.490
52	5.158	5.072	4.921	4.657	4.442
53	5.016	4.945	4.797	4.538	4.333
54	4.882	4.827	4.680	4.425	4.229
55	4.760	4.643	4.535	4.321	4.134
56	4.651	4.539	4.429	4.229	4.050
57	4.561	4.453	4.347	4.154	3.984
58	4.495	4.392	4.289	4.103	3.940
59	4.349	4.252	4.153	3.977	3.825
60	4.213	4.121	4.026	3.859	3.707
61	4.091	4.004	3.912	3.816	3.610
62	3.989	3.905	3.816	3.745	3.580
63	3.913	3.833	3.745	3.620	3.475
64	3.730	3.666	3.591	3.460	3.332
65	3.572	3.504	3.433	3.312	3.194
66	3.413	3.350	3.282	3.171	3.061
67	3.267	3.208	3.143	3.041	2.937
68	3.139	3.083	3.020	2.927	2.830
69	3.038	2.986	2.933	2.839	2.746
70	2.978	2.930	2.878	2.789	2.652
71	2.807	2.762	2.714	2.635	2.553
72	2.648	2.608	2.562	2.491	2.415
73	2.510	2.474	2.429	2.366	2.295
74	2.406	2.372	2.335	2.272	2.204
75	2.357	2.325	2.288	2.231	2.171
76	2.170	2.142	2.108	2.060	2.005
77	1.995	1.971	1.945	1.899	1.848
78	1.844	1.823	1.801	1.758	1.717
79	1.693	1.675	1.656	1.617	1.586
80	1.542	1.526	1.512	1.476	1.455

TABLE XXXIV.

Table XXXIV. For the Valuation of

mean Age.	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
1	25.330	22.999	20.763	17.541	15.112
2	26.264	23.858	21.507	18.018	15.483
3	26.431	24.031	21.567	18.308	15.529
4	26.489	24.094	21.707	18.346	15.555
5	26.431	24.102	21.683	18.347	15.762
6	26.267	24.025	21.603	18.304	15.733
7	26.220	23.940	21.514	18.259	15.709
8	26.015	23.833	21.414	18.198	15.666
9	25.845	23.821	21.265	18.127	15.620
10	25.658	23.600	21.138	18.053	15.572
11	25.462	23.316	21.005	17.974	15.520
12	25.256	23.258	20.891	17.884	15.462
13	25.043	23.102	20.747	17.795	15.400
14	24.813	22.934	20.589	17.697	15.384
15	24.579	22.812	20.423	17.592	15.258
16	24.336	22.578	20.342	17.476	15.185
17	24.103	22.322	20.285	17.379	15.109
18	23.859	22.147	20.118	17.264	15.030
19	23.667	21.938	19.978	17.155	14.951
20	23.443	21.712	19.820	16.989	14.818
21	23.233	21.479	19.677	16.940	14.799
22	23.017	21.243	19.533	16.840	14.728
23	22.798	20.981	19.384	16.733	14.648
24	22.587	20.809	19.241	16.633	14.576
25	22.376	20.712	19.035	16.533	14.503
26	22.159	20.454	18.941	16.421	14.423
27	21.938	20.270	18.686	16.308	14.341
28	21.723	20.085	18.643	16.195	14.256
29	21.496	19.888	18.467	16.066	14.173
30	21.264	19.697	18.301	16.015	14.082
31	21.044	19.511	18.146	15.843	13.997
32	20.672	19.321	17.985	15.724	13.911
33	20.596	19.132	17.823	15.604	13.819
34	20.366	18.938	17.657	15.482	13.728
35	20.153	18.759	17.501	15.370	13.646
36	19.937	18.575	17.345	15.254	13.557
37	19.732	18.392	17.190	15.137	13.471
38	19.512	18.205	17.027	15.015	13.380
39	19.292	18.017	16.864	14.894	13.288
40	19.071	17.832	16.804	14.793	13.194

T A B L E XXXIV.

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Annuities upon the longest of three Lives.

Age.	mean 3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
41	18.848	17.643	16.541	14.693	13.100
42	18.626	17.451	16.375	14.592	13.006
43	18.403	17.259	16.209	14.489	12.909
44	18.183	17.067	16.041	14.355	12.811
45	17.962	16.878	15.874	14.214	12.713
46	17.734	16.688	15.705	14.071	12.615
47	17.513	16.496	15.539	13.923	12.515
48	17.266	16.286	15.365	13.843	12.401
49	17.017	15.806	15.164	13.688	12.282
50	16.773	15.861	14.975	13.528	12.164
51	16.520	15.646	14.786	13.363	12.044
52	16.276	15.457	14.596	13.193	11.924
53	16.002	15.208	14.388	13.087	11.788
54	15.727	14.967	14.178	12.905	11.648
55	15.452	14.657	13.922	12.720	11.508
56	15.172	14.409	13.696	12.529	11.364
57	14.899	14.164	13.476	12.335	11.220
58	14.626	13.920	13.256	12.131	11.077
59	14.318	13.642	13.006	12.002	10.908
60	14.005	13.364	12.745	11.783	10.577
61	13.703	13.085	12.480	11.560	10.452
62	13.394	12.809	12.235	11.340	10.379
63	13.090	12.533	12.085	11.054	10.204
64	12.736	12.219	11.709	10.798	9.998
65	12.404	11.904	11.419	10.554	9.791
66	12.059	11.588	11.127	10.308	9.580
67	11.721	11.278	10.841	10.061	9.366
68	11.383	10.964	10.550	9.819	9.157
69	11.048	10.660	10.280	9.574	8.944
70	10.832	10.361	10.000	9.332	8.734
71	10.679	9.953	9.674	9.043	8.484
72	9.674	9.649	9.351	8.758	8.232
73	9.410	9.305	9.032	8.477	7.980
74	8.871	8.966	8.728	8.197	7.730
75	8.471	8.640	8.429	7.928	7.493
76	8.302	8.250	8.066	7.535	7.195
77	8.232	7.863	7.723	7.272	6.897
78	7.964	7.490	7.390	6.954	6.610
79	7.777	7.186	7.013	6.536	6.323
80	7.404	7.037	7.032	6.218	6.035

TABLE F.

Table F. Shews the Number of Years Purchase

	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
1	15.053	14.163	13.359	11.966	10.807
2	16.619	15.525	14.549	12.885	11.530
3	17.826	16.570	15.437	13.555	12.045
4	18.458	17.091	15.891	13.891	12.301
5	18.905	17.466	16.209	14.123	12.476
6	19.330	17.822	16.508	14.342	12.639
7	19.603	18.049	16.698	14.480	12.741
8	19.736	18.159	16.791	14.544	12.790
9	19.867	18.268	16.882	14.607	12.839
10	19.867	18.268	16.882	14.607	12.839
11	19.736	18.159	16.791	14.544	12.790
12	19.603	18.049	16.698	14.480	12.741
13	19.468	17.936	16.604	14.412	12.691
14	19.330	17.822	16.508	14.342	12.639
15	19.191	17.706	16.410	14.271	12.586
16	19.049	17.587	16.311	14.197	12.532
17	18.905	17.466	16.209	14.123	12.476
18	18.758	17.343	16.105	14.047	12.419
19	18.609	17.219	15.999	13.970	12.361
20	18.458	17.091	15.891	13.891	12.301
21	18.304	16.962	15.781	13.810	12.239
22	18.148	16.820	15.669	13.727	12.177
23	17.989	16.695	15.554	13.642	12.112
24	17.826	16.570	15.437	13.555	12.045
25	17.663	16.419	15.318	13.466	11.978
26	17.497	16.277	15.197	13.375	11.908
27	17.327	16.132	15.073	13.282	11.837
28	17.154	15.985	14.946	13.186	11.763
29	16.979	15.834	14.816	13.088	11.688
30	16.801	15.681	14.684	12.988	11.610
31	16.619	15.525	14.549	12.885	11.530
32	16.435	15.366	14.411	12.780	11.449
33	16.247	15.204	14.270	12.673	11.365
34	16.057	15.039	14.126	12.562	11.278
35	15.863	14.870	13.979	12.449	11.189
36	15.665	14.700	13.829	12.333	11.098
37	15.464	14.524	13.676	12.214	11.003
38	15.260	14.345	13.519	12.091	10.907
39	15.053	14.163	13.359	11.966	10.807
40	14.841	13.978	13.196	11.837	10.704

TABLE F.

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a Single Life is worth at the following Rates.

Age.	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
41	14.626	13.784	13.028	11.705	10.599
42	14.407	13.595	12.858	11.570	10.490
43	14.185	13.398	12.683	11.431	10.378
44	13.958	13.197	12.504	11.288	10.263
45	13.728	12.992	12.322	11.142	10.144
46	13.493	12.946	12.135	10.992	10.021
47	13.254	12.570	11.944	10.837	9.895
48	13.011	12.352	11.748	10.679	9.765
49	12.764	12.130	11.548	10.515	9.630
50	12.512	11.904	11.344	10.348	9.492
51	12.225	11.672	11.135	10.176	9.349
52	11.994	11.433	10.921	9.999	9.201
53	11.728	11.195	10.702	9.817	9.049
54	11.458	10.904	10.478	9.630	8.891
55	11.182	10.968	10.248	9.437	8.729
56	10.902	10.442	10.014	9.239	8.561
57	10.616	10.180	9.773	9.036	8.387
58	10.325	9.912	9.527	8.826	8.208
59	10.028	9.630	9.275	8.611	8.023
60	9.727	9.360	9.017	8.389	7.831
61	9.419	9.076	8.753	8.161	7.633
62	9.106	8.785	8.482	7.926	7.428
63	8.787	8.488	8.205	7.684	7.216
64	8.462	8.184	7.921	7.435	6.997
65	8.131	7.874	7.631	7.179	6.770
66	7.793	7.557	7.333	6.915	6.535
67	7.450	7.233	7.027	6.643	6.292
68	7.100	6.903	6.714	6.362	6.040
69	6.753	6.564	6.394	6.073	5.779
70	6.379	6.218	6.065	5.775	5.508
71	6.008	5.865	5.728	5.468	5.228
72	5.631	5.504	5.383	5.152	4.937
73	5.246	5.135	5.029	4.826	4.636
74	4.854	4.758	4.666	4.489	4.324
75	4.454	4.372	4.293	4.143	4.000
76	4.049	3.978	3.912	3.784	3.664
77	3.630	3.574	3.520	3.415	3.315
78	3.207	3.162	3.119	3.034	2.953
79	2.775	2.740	2.707	2.641	2.578
80	2.335	2.308	2.284	2.235	2.188

Table G. are the Logarithms to Table F.

Age.	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
1	.17762	.15116	.12577	.07795	.03371
2	.22060	.19103	.16283	.11008	.06183
3	.25105	.21932	.18856	.13210	.08081
4	.26618	.23277	.20115	.14273	.08994
5	.27658	.24219	.20976	.14993	.09608
6	.28623	.25096	.21769	.15661	.10171
7	.29232	.25645	.22266	.16077	.10520
8	.29526	.25909	.22508	.16268	.10687
9	.29813	.26169	.22742	.16456	.10853
10	.29813	.26169	.22742	.16456	.10853
11	.29526	.25909	.22508	.16268	.10687
12	.29232	.25645	.22266	.16077	.10520
13	.28932	.25373	.22021	.15872	.10350
14	.28623	.25096	.21769	.15661	.10171
15	.28301	.24812	.21511	.15445	.09989
16	.27987	.24519	.21248	.15220	.09802
17	.27658	.24219	.20976	.14993	.09608
18	.27319	.23912	.20696	.14758	.09409
19	.26972	.23601	.20409	.14520	.09205
20	.26618	.23277	.20115	.14273	.08994
21	.26255	.22948	.19813	.14019	.08775
22	.25883	.22608	.19504	.13758	.08554
23	.25501	.22259	.19184	.13488	.08322
24	.25105	.21932	.18856	.13210	.08081
25	.24706	.21535	.18520	.12924	.07838
26	.24296	.21157	.18176	.12629	.07584
27	.23872	.20769	.17820	.12326	.07324
28	.23437	.20371	.17452	.12011	.07052
29	.22991	.19959	.17073	.11687	.06774
30	.22533	.19587	.16684	.11354	.06483
31	.22060	.19103	.16283	.11008	.06183
32	.21577	.18656	.15869	.10653	.05877
33	.21077	.18196	.15442	.10288	.05557
34	.20566	.17622	.15002	.09906	.05223
35	.20039	.17231	.14548	.09513	.04879
36	.19493	.16732	.14079	.09107	.04524
37	.18932	.16209	.13596	.08686	.04151
38	.18355	.15670	.13094	.08246	.03771
39	.17762	.15116	.12577	.07795	.03371
40	.17146	.14545	.12044	.07324	.02955

TABLE G.

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Table G. are the Logarithms to Table F.

Age.	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
41	.16513	.13937	.11488	.06837	.02526
42	.15857	.13338	.10917	.06333	.02078
43	.15183	.12704	.10322	.05808	.01611
44	.14482	.12048	.09705	.05262	.01127
45	.13761	.11368	.09068	.04696	.00621
46	.13011	.11214	.08404	.04108	.00091
47	.12235	.09934	.07715	.03491	.99541
48	.11431	.09174	.06996	.02853	.98967
49	.10599	.08386	.06251	.02181	.98363
50	.09733	.07569	.05477	.01486	.97736
51	.08831	.06715	.04669	.00758	.97077
52	.07896	.05816	.03826	.99996	.96384
53	.06922	.04902	.02946	.99198	.95660
54	.05911	.03937	.02028	.98363	.94899
55	.04852	.04013	.01064	.97483	.94096
56	.03751	.01878	.00061	.96563	.93252
57	.02596	.00775	.99003	.95598	.92361
58	.01389	.99616	.97896	.94576	.91424
59	.00121	.98363	.96731	.93505	.90434
60	.98798	.97128	.95506	.92371	.89382
61	.97400	.95789	.94216	.91174	.88269
62	.95933	.94374	.92850	.89905	.87087
63	.94384	.92881	.91408	.88559	.85830
64	.92747	.91297	.89878	.87128	.84491
65	.91014	.89620	.88258	.85606	.83059
66	.89170	.87835	.86528	.83979	.81525
67	.87216	.85932	.84677	.82236	.79879
68	.85126	.83904	.82698	.80359	.78104
69	.82950	.81717	.80577	.78340	.76185
70	.80475	.79365	.78283	.76155	.74099
71	.77873	.76827	.75800	.73783	.71834
72	.75059	.74068	.73102	.71198	.69346
73	.71983	.71054	.70148	.68359	.66614
74	.68610	.67742	.66894	.65215	.63589
75	.64875	.64068	.63276	.61731	.60206
76	.60735	.59966	.59240	.57795	.56396
77	.55991	.55315	.54654	.53339	.52048
78	.50610	.49996	.49402	.48202	.47026
79	.44326	.43775	.43249	.42177	.41128
80	.36829	.36324	.35870	.34928	.34005

Table H. are the Logarithms

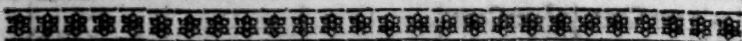
Age.	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
1	.20556	.18079	.15712	.11281	.07214
2	.24598	.21814	.19170	.14254	.09795
3	.27476	.24477	.21582	.16301	.11544
4	.28910	.25746	.22765	.17292	.12388
5	.29896	.26637	.23575	.17964	.12956
6	.30814	.27467	.24324	.18588	.13478
7	.31393	.27987	.24792	.18977	.13802
8	.31673	.28237	.25020	.19156	.13956
9	.31946	.28484	.25242	.19332	.14110
10	.31946	.28484	.25242	.19332	.14110
11	.31673	.28237	.24520	.19156	.13956
12	.31393	.27987	.24792	.18977	.13802
13	.31108	.27729	.24561	.18786	.13643
14	.30814	.27467	.24324	.18583	.13478
15	.30516	.27198	.24080	.18387	.13309
16	.30209	.26921	.23832	.18176	.13136
17	.29896	.26637	.23575	.17964	.12956
18	.29574	.26347	.23312	.17745	.12772
19	.29246	.26052	.23042	.17522	.12584
20	.28910	.25746	.22765	.17292	.12388
21	.28565	.25435	.22482	.17055	.12185
22	.28212	.25115	.22191	.16811	.11982
23	.27850	.24785	.21890	.16560	.11767
24	.27476	.24477	.21582	.16301	.11544
25	.27098	.24102	.21267	.16035	.11321
26	.26710	.23747	.20943	.15761	.11086
27	.26309	.23381	.20610	.15479	.10846
28	.25897	.23007	.20265	.15186	.10595
29	.25477	.22619	.19909	.14885	.10339
30	.25044	.22222	.19546	.14575	.10071
31	.24598	.21814	.19170	.14254	.09795
32	.24142	.21394	.18783	.13925	.09513
33	.23671	.20962	.18384	.13586	.09219
34	.23190	.20518	.17972	.13232	.08913
35	.22693	.20058	.17548	.12869	.08597
36	.22181	.19590	.17111	.12493	.08271
37	.21654	.19100	.16661	.12103	.07929
38	.21112	.18597	.16194	.11697	.07580
39	.20556	.18079	.15712	.11281	.07214
40	.19978	.17545	.15217	.10847	.06833

TABLE H.

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to Table F + I.

Age.	3 per Cent.	3½ per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
41	.19385	.16979	.14699	.10397	.06442
42	.18772	.16420	.14170	.09933	.06032
43	.18141	.15830	.13618	.09451	.05607
44	.17487	.15220	.13046	.08948	.05165
45	.16814	.14588	.12457	.08429	.04704
46	.16116	.14445	.11843	.07889	.04222
47	.15394	.13258	.11207	.07324	.03723
48	.14647	.12555	.10544	.06741	.03201
49	.13874	.11826	.09857	.06126	.02653
50	.13072	.11072	.09146	.05492	.02086
51	.12238	.10285	.08404	.04829	.01490
52	.11374	.09458	.07631	.04135	.00864
53	.10476	.08618	.06826	.03411	.00212
54	.09545	.07733	.05987	.02653	.99525
55	.08572	.07802	.05107	.01858	.98807
56	.07562	.05851	.04194	.01026	.98050
57	.06506	.04844	.03234	.00156	.97253
58	.05404	.03790	.02230	.99238	.96416
59	.04250	.02653	.01178	.98277	.95535
60	.03048	.01536	.00074	.97262	.94601
61	.01783	.00329	.98914	.96194	.93616
62	.00458	.99056	.97690	.95066	.92572
63	.99065	.97717	.96402	.93872	.91466
64	.97598	.96303	.95041	.92608	.90293
65	.96052	.94812	.93606	.91270	.89042
66	.94414	.93232	.92080	.89845	.87708
67	.92686	.91556	.90456	.88326	.86285
68	.90849	.89779	.88728	.86700	.84757
69	.88947	.87875	.86888	.84960	.83117
70	.86800	.85842	.84912	.83091	.81345
71	.84559	.83664	.82789	.81077	.79435
72	.82158	.81318	.80502	.78902	.77357
73	.79560	.78781	.78024	.76537	.75097
74	.76745	.76027	.75328	.73949	.72624
75	.73672	.73014	.72370	.71122	.69900
76	.70321	.69705	.69126	.67979	.66876
77	.66558	.66030	.65514	.64493	.63498
78	.62397	.61930	.61479	.60574	.59693
79	.57692	.57287	.56902	.56122	.55364
80	.52310	.51957	.51640	.50987	.50352



The USE of the TABLE of the
PROBABILITIES of LIFE.

LET it be required to find the Probability that a Person of the Age of 27 lives 20 Years longer, or attains to the Age of 47 Years. Look in the Table for the Age 27, and against it you will find 432, being the Number of Persons living at that Age, and against 47 Years you will find the Number of Persons then living 242. So that it is evident that out of 432 Persons living at the Age of 27 Years no more than 242 live or attain to the Age of 47. So that the Number of Chances which a Person of 27 Years has to live 20 Years longer, will be to the Number of all the Chances he has to live beyond or die within that Period in the same Ratio or Proportion as 432 to 242, consequently the Probability that a Person of the Age of 27 lives to the Age of 47 is $\frac{242}{432}$.

This being premised, let it be required to find the Value of an Annuity of £100 for a Life of 40 Years, computing Interest at £4 per Cent.

Now the present Value of £100 to be received 1 Year hence by Table VII. is found to be £96.1538, was the Purchaser sure he should live to receive it at the Year's End; but the Probability of his continuing in being till that Period appears by the Table of Probabilities as $\frac{302}{312}$, consequently the Sum £96.1538 ought to be diminished in that Ratio which is done thus, multiply £96.1538 by 302 and divide by 312, the Answer is £93.072 being the true Value of the first Year's Rent on the above Contingency.

And after the same manner proceed to calculate the Value of the second Year's Rent, for the Probability of the Purchaser's receiving the second Year's Rent is that of his living 2 Years $\frac{292}{312}$, and the present Value of £100 to be received 2 Years hence is by Table VII. £92.4556, which multiplied by 292 and that Product divided by 312, gives £86.529, the true Value of the second Year's Rent; and in like manner proceed to find the Value of the third, fourth, fifth, sixth, &c. Years Rents to the Extremity of Life, and the Sum total of all these Years Rents will be £245.3 the Value of the Annuity. But as this will require a deal of Labour, I shall for the Reader's Satisfaction lay before him the

Work

the Probabilities of Life.

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Work for an Annuity of £ 1 on a Life of 80 Years, at £ 5 per Cent. which being obtained, the Value of the next younger Life may be readily calculated.

.952381	multiplied by 24	and divided by 27	give	.84656
.907029	multiplied by 21	and divided by 27	give	.70547
.863838	multiplied by 18	and divided by 27	give	.57589
.822702	multiplied by 15	and divided by 27	give	.45706
.783526	multiplied by 12	and divided by 27	give	.34823
.746215	multiplied by 10	and divided by 27	give	.27638
.710681	multiplied by 8	and divided by 27	give	.21057
.676839	multiplied by 6	and divided by 27	give	.15041
.644609	multiplied by 5	and divided by 27	give	.11937
.613913	multiplied by 4	and divided by 27	give	.09095
.584679	multiplied by 3	and divided by 27	give	.06496
.556837	multiplied by 2	and divided by 27	give	.04125
.530321	divided by 27	give	— — — —	.01964

3.90674

Answer, 3.90674. See Table XXX. for a Life of 80 Years at £ 5 per Cent.

Then to find the Value of the next younger Life, viz. 79.

To perform this add £ 1 to the Value of the Life of 80, viz. 3.907 and it makes 4.907, then discount this Sum at £ 5 per Cent. and multiply it by the Probability of the younger Life's continuing one Year and the Product is the Answer, and after the same manner proceed for the next younger Lives.

See the Work.

$$\begin{array}{r} \text{If } \text{£ } 105 \text{ — — } \text{£ } 5 \text{ — — } \text{£ } 4.907 \\ \frac{5}{105} = \frac{1}{21}) 4.907 (.2337 \\ \underline{.70} \\ .77 \\ \underline{140} \end{array}$$

Then from 4.907
Deduct .2337

4.6733
27

Probability $\frac{27}{31}$

327131
93466

Answer.

31) 1261791 (4.070 See a Life of 79.
.217
.09

How

How to calculate Tables for the Valuation of Annuities upon 2 and 3 joint Lives. Put $A =$ a Life of 78 Years, and let its Probability of continuing 1, 2, 3, 4, &c. Years be represented by $\frac{Q'}{Q}, \frac{Q''}{Q}, \frac{Q'''}{Q}, \frac{Q''''}{Q}, \&c.$ and that of B continuing 1, 2, 3, 4, &c. Years, be represented by $\frac{R'}{R}, \frac{R''}{R}, \frac{R'''}{R}, \&c.$ and that of the Life of C continuing 1, 2, 3, &c. Years, be represented by $\frac{S'}{S}, \frac{S''}{S}, \frac{S'''}{S}, \&c.$ Now the Probabilities of all the Lives continuing together one Year will be expressed by $\frac{Q'R'S'}{QRS}$, for two Years $\frac{Q''R''S''}{QRS}$, &c. and these being respectively multiplied into the Terms of the Geometric Progression $\frac{1}{r}, \frac{1}{r^2}, \frac{1}{r^3}, \&c.$ we shall have $\frac{Q'R'S'}{QRS} + \frac{Q''R''S''}{r^2QRS} + \frac{Q'''R'''S'''}{r^3QRS}, \&c.$ For the Reader's Satisfaction I shall illustrate this with a numerical Process. Let A 's Age be 78 Years, B 's Age 78 Years, and C 's Age 78 Years, then because their Ages are equal their Probabilities of Life will be equal. So that the Probability of A 's attaining the Age of 79 is by Table of Observation $\frac{31}{35}$, B 's $\frac{31}{35}$, and C 's $\frac{31}{35}$. Therefore if a Sum to be received is depending upon the happening of two or three different Events, the Probability of receiving that Sum will be equal to the Product of the Probabilities of the happening of those Events.

Thus much being understood it will not be difficult to find the Value of an Annuity during any Number of joint Lives; but as an Example will be necessary, I shall shew the Calculation for 2 joint Lives as above at $\text{£}5$ per Cent.

$$A's \text{ Age} = 78 \text{ its Probability} = \frac{31}{35} = \frac{Q'}{Q}$$

$$B's \text{ Age} = 78 \text{ its Probability} = \frac{31}{35} = \frac{R'}{R}$$

$$\text{Then } \frac{31 \times 31}{35 \times 35 \times r} = \frac{961}{1225 \times 1.05} = \frac{Q'R'}{rQR} = .74713$$

$$\text{The second Year } \frac{27 \times 27}{r^2 \times 35 \times 35} = \frac{729}{1350.56} = \frac{Q''R''}{r^2QR}$$

$$\text{Third Year } \frac{24 \times 24}{r^3 \times 35 \times 35} = \frac{Q'''R'''}{r^3QR} = 576 \text{ as before.}$$

$$\text{Fourth Year } \frac{21 \times 21}{r^4} = 441 \text{ as before.}$$

$$\begin{array}{r}
 1225 \\
 1.05 \\
 \hline
 6125 \\
 1225 \\
 \hline
 1286.25 \text{) } 961. \text{ (Quotient is .74713} \\
 \text{Multiplied by } 1.05 \\
 \hline
 \text{Product } 1350.56 \text{) } 729. \text{ (Quotient is .53977} \\
 \text{Multiplied by } 1.05 \\
 \hline
 \text{Product } 1418.1 \text{) } 576. \text{ (Quotient is .40618} \\
 \text{Multiplied by } 1.05 \\
 \hline
 \text{Product } 1489. \text{) } 441. \text{ (Quotient is .29617}
 \end{array}$$

And in proceeding in the like manner
to the Extremity of Old Age you
will obtain the rest of the Sums.

.20723
.13706
.08354
.05525
.03932
.03368

Therefore the Value of two joint Lives of 78 }
Years of Age each at £5 per Cent. by Table is } 2.54538

To find the Value of the next younger Lives TV.

Let P denote the Value of the 2 joint Lives of 78 = 2.54538

Then $P + 1 \times \frac{QR, \&c.}{rQR, \&c.}$ will give the Value of the next
younger Lives TV.

Example.

$$\begin{array}{l}
 Q = 35 \text{ and } 35 \times 35 = 1225 \\
 R = 39 \text{ and } 39 \times 39 \times 1.05 = 1597.05 \\
 P = 2.54538 \\
 + 1
 \end{array}$$

$$\begin{array}{r}
 3.54538 \\
 1225 \\
 \hline
 \text{Multiplied by } 1225
 \end{array}$$

Divided by 1597.05) 4343.02925 (Quotient 2.7194 the Value
of the next younger Lives of 77. See Table of 2 joint Lives.

$$rR'R'' = 43 \times 43 \times 1.05 = 1941.45 \text{ for a Life of 76.}$$

And in like manner proceed for a Life of 75, &c.

To

152 The Use of the Table of Probabilities.

To find the Value of three joint Lives, you must proceed in the same manner as in calculating the Value of two joint Lives, only with this Difference, the Probabilities must be cubed.

To find the Values of the longest of two joint Lives, double the Value of the single Life, and from that Product subtract the Value of the two joint Lives, the Remainder is the Value required.

And to find the Value of the longest of three joint Lives, multiply the Value of the single Life by 3, then subtract from that Product the Value of two joint Lives multiplied by 3, and to this Remainder add the Value of three joint Lives, the Sum is the Value of the longest of the three joint Lives required.

Example I.

For the longest of two joint Lives }
at £3 per Cent. for a Life of 20 Yrs } $17.078 =$ Value of single Life.

$$\begin{array}{r} 2 \\ \hline 34.156 \\ 12.669 = \text{Value of two joint Lives.} \\ \hline 21.487 = \text{Value of the longest of two joint Lives.} \end{array}$$

Example II.

$$\begin{array}{r} 12.669 \\ 3 \\ \hline 38.007 \end{array}$$

For the longest of three joint Lives at }
£3 per Cent. for a Life of 20 Years } $17.078 =$ Value of a single Life.

$$\begin{array}{r} 3 \\ \hline 51.234 \\ \text{Subtract } 38.007 \\ \hline 13.227 \\ 10.216 \quad \text{Add } 9.125 = 3 \text{ joint Lives.} \\ \hline 23.443 \quad 22.352 = \text{Answer.} \\ \hline \end{array}$$





The USE of the TABLES of LIFE ANNUITIES.

SOLUTIONS of the several PROBLEMS depending on the Tables of Annuities upon Lives.

PROBLEM I.

To find the Value of an Annuity for an assigned Life.

Look out the given Age in Table XXX, and against it, under the proposed Rate of Interest, stands the Number of Years Purchase which an Annuity upon that Life is worth.

Example.

Let the given Age be 25 Years, and the Rate of Interest £3 per Cent. then against 25 and under £3 per Cent. you will find 15.936, being the Number of Years Purchase required; which you may reduce as under.

	<i>Years.</i>	
	15.936	
Multiplied by	4	<i>Quarters.</i>
	<hr/>	
	3.744	
Multiplied by	3	<i>Months.</i>
	<hr/>	
<i>Yrs. Q. M.</i>	2.232	
<i>Answer, 15 : 3 : 2 $\frac{2}{10}$</i>	<hr/>	<i>Purchase.</i>

PROBLEM II.

To find the Value of an Annuity upon any two joint Lives.

RULE I.

Multiply the Difference of the Values by half the lesser Value, and divide this Product by the greater Value, and the Quotient of this Division being added to the lesser Value gives the Answer.

Example.

Let the two given Ages be one of 20 and the other of 35 Years, and Interest at £4 per Cent. Now the Values corresponding to these two Ages are by Table XXXI, 11.403 and 8.587, their

X

Difference

The Use of the Tables

Difference by Rule is 2.816, which multiplied by half the lesser 4.293 the Product will be 12.089, and this divided by the greater 11.403 quotes 1.061, which being added to the lesser Value 8.586 makes 9.647, being the Value sought.

In Case the Ages are both alike the Answer is found at once in Table XXXI; as for Instance, in Case the Ages had been each 20 Years, then against 20 is found 11.403 Years, being the Answer required.

P R O B L E M III.

To find the Value of an Annuity upon two Lives, that is to continue as long as either of them is in being.

SOLUTION.

If the Ages are equal, the Answer is found at once under the given Rate of Interest against the given Age, in Table XXXII.

Example.

Admit the two given Ages are each 25 Years, and the Rate of Interest £5 per Cent. then in Table XXXII. under £5 per Cent. and against 25 Years stands 15.345, shewing the Number of Years Purchase required.

But in Case the Ages are not alike, observe the following Rule.

R U L E II.

First find the Value of the two proposed joint Lives, as directed in Rule I. which subtract from the Sum of the Values of the two single Lives, and the Remainder is the Value of an Annuity upon the longest Life.

Example.

Let one Age be 20, and the other 35 Years, and the Rate of Interest £4 per Cent. Now the Answer being found as in the second Example 9.647, next seek the Values of the two single Lives in Table XXX, and you will find them equal to 14.887 and 12.206, from the Sum of which, viz. 27.093 subtract 9.647 the Remainder will be 17.446, equal to the Value required.

P R O B L E M IV.

To find the Value of an Annuity upon three joint Lives.

SOLUTION.

If all the Lives are equal, find out the given Age in Table XXXIII. and against it under the proposed Rate of Interest, is found the Number of Years Purchase required.

Example.

Example.

Let each Age be 35, and the Rate of Interest $\text{£}4$ per Cent. then in Table XXXIII. and against 35 Years, under the Rate of Interest, you will find 6.644 the Number of Years Purchase that an Annuity is worth for three joint Lives.

In Case the Ages are unequal observe the following

General R U L E III.

Multiply the Sum of their separate Values by the * Square of the least of them, and reserve the Product; then multiply the two greater Values into each other, and to twice this Product add the Square of the lesser Value. Then divide the aforesaid reserved Product by this last Sum, and subtract the Quotient of this Division from twice the lesser Value, the Remainder will be the Value required.

Example.

Admit the three Ages are 20, 30 and 40 Years, and Interest at $\text{£}4$ per Cent. then the Values answering to those Ages are respectively 9.249, 7.474, and 6.041, the Sum of which is 22.764, this being multiplied by 36.5 the Square of the least Value, gives 830.88 which Product reserve. Again, the two greater Values multiplied together produce 69.127, twice this Sum added to 36.5 the Square of the least Value, will be 174.75, then dividing the reserved Product aforesaid 830.88 by 174.75 the Quotient will be 4.754, now this subtracted from 12.082 the double of the least Value, leaves 7.328 being the Value required.

P R O B L E M V.

To find the Value of an Annuity upon the longest of three Lives.

SOLUTION.

If all the Lives are equal seek their common Age in Table XXXIV. and against the Age under the given Rate of Interest is found the Number of Year's Purchase required.

Example.

Let the three Ages be each 30 Years and Interest $\text{£}4$ per Cent. then in Table XXXIV. against the given Age 30, and under $\text{£}4$ per Cent. is found 18.307 the Value required.

If the Ages are unequal observe the following

General R U L E IV.

First, find the Value answering to the greatest of the given Ages in Table XXXII. and the Values answering to the three different

X 2

* The Square of any Number is the Product of that Number multiplied by itself as the Square of 8 is 64.

ferent Ages in Table XXXIV. and let the Difference of the two Values answering to the ~~two~~ greatest Ages be taken and reserved; then let the Square of the greater of these two Values be divided by the Product of the two other remaining Values, and let the Square of this Quotient be multiplied by the reserved Difference, then this last Product added to the Value of an Annuity for the two youngest Lives, will give the Value required.

Example.

Let the three given Ages be 20, 30 and 40, and Interest at $\text{£}4$ per Cent. Then the Value found against the greatest of the three given Ages 40 in Table XXXII. is 15.016, and in Table XXXIV. against 20, 30 and 40 are respectively found 19.702, 18.307 and 16.730, then take the Difference of the two greater Values, *viz.* 16.730 and 15.016 and we have 1.714, which reserve. Then the Square of 15.016 divided by the Product of 19.702 and 18.307 quotes 0.626, and the Square of this multiplied by the former reserved Difference 1.714 gives 0.672, and this added to 17.524, the Value of an Annuity upon the longest of two Lives, as found Problem III. and Rule II. will give 18.196, being the Number of Year's Purchase an Annuity is worth upon the above three Lives.

OF REVERSIONS.

PROBLEM VI.

To find the Value of the Reversion of one Life after another.

SOLUTION.

From the Value of the Life in Expectation, take the Value of the two joint Lives, the Remainder is the Value of the Reversion.

Example.

Suppose the Age of the Life in Possession to be 40, and that of the Life in Expectation 20, and Interest at $\text{£}3$ per Cent. then the Value of the two joint Lives is by Problem II. 9.930, which subtracted from the Value of the single Life in Expectation 17.078, leaves 7.148, being the Value of the Reversion required.

PROBLEM VII.

To find the Value of the Reversion of two Lives after one.

SOLUTION.

SOLUTION.

From the Value of the three Lives subtract the Value of the Life in Possession, the Remainder will be the Value required.

Example.

Let the Age of the Life in Possession be 40 Years, and the Ages of the two Lives in Reversion 20 and 30 Years, and Interest at £4 per Cent. then the Value of the longest of three Lives as found in Problem V. is 18.196, from which subtract 11.453, being the Value of the single Life in Possession the Remainder is 6.743, being the Value required.

P R O B L E M VIII.

To find the Value of the Reversion of one Life after two.

SOLUTION.

From the Value of the three Lives subtract the Value of the two Lives in Possession, and the Remainder is the Value of the Life in Reversion.

Example.

Suppose the Age of the Lives in Possession are 20 and 30 Years, and that of the Life in Expectation is 40 Years, and Interest at £4 per Cent. then the Value of the three Lives as before is 18.196, from which subtracting 17.524, the Value of the Lives in Possession, the Remainder is 0.672, being the Value of the Reversion.

P R O B L E M IX.

To find the Value of the Reversion of one Life after two joint Lives.

SOLUTION.

From the Value of the Life in Expectation subtract the Value of the three joint Lives, the Remainder is the Value of the Life in Reversion.

Example.

Suppose the Age of each of the three proposed Lives is 30 Years, and Interest at £4 per Cent. then the Value of the three joint Lives, Problem IV. is 7.474, which subtracted from 13.064, the Value of the Life in Expectation, leaves 5.590, being the Value required.

P R O B L E M X.

To find the Value of the Reversion of two joint Lives after one Life.

SOLUTION.

The Use of the Tables

SOLUTION.

From the Value of the two joint Lives take the Value of the three joint Lives, and the Remainder is the Answer.

Example.

Suppose the Age of the Life in Possession is 14 Years, and the Ages of the two joint Lives in Reversion each 21 Years, and Interest $\text{£}4$ per Cent. then the Value of the two joint Lives is found at once Table XXXI. to be 11.209, and that of the three joint Lives by Problem IV. 19.811, the Difference of which 1.399 is the Value of the Reversion required.

P R O B L E M X I.

Admit that two Persons *A.* and *B.* equally possess an Annuity, which after the Decease of either of them is to belong to the Survivor for Life. Required the Value of each Person's Share in that Annuity.

SOLUTION.

From the Value of the Life *A.* or *B.* take half the Value of the two joint Lives, the Remainder will be the Value of the Share of *A.* or *B.*

Example.

Let the Age of *A.* be 21 Years, and the Age of *B.* 30, and Interest $\text{£}4$ per Cent. then the Value of the Life *A.* is, Table XXX. 14.709, and the Value of the Life *B.* Table XXX. 13.064, from each of which subtracting (5.096) half the Value of the two joint Lives by Problem II. and there will remain for the Value of *A.*'s Share 9.613, and for the Value of *B.*'s Share 7.968, being the two Values required.

P R O B L E M X II.

Suppose *A.* and *B.* are in Possession of an Annuity, to which a third Person *C.* after the Decease of *A.* has the sole Right to possess for Life, provided that *B.* be then extinct; but if *B.* is then living it is to be equally divided between them during their joint Lives, and then to belong to *C.* for Life if he is the last Survivor. Required the Value of the Right of *C.* in that Annuity.

SOLUTION.

From the Value of the Life *C.* subtract half the Value of the two joint Lives *B.* and *C.* and from the Value of the two joint Lives *A.* and *C.* take half the Value of the three joint Lives *A.* *B.* *C.* then subtracting this last Remainder from the former, the Result will be the Value required.

Example.

Example.

Let the given Ages be *A.* 20, *B.* 30, and *C.* 40 Years, and Interest $\text{£}4$ per Cent. then from the Value of the Life *C.* 11.458 subtract half the Value of the two joint Lives *B.* and *C.* found by Problem II. equal to 4.275, and the Remainder is 7.183, then from the Value of the two joint Lives *A.* and *C.* found as above to be 8.505 subtract half the Value of the three joint Lives found by Problem IV. to be 3.664, and the Remainder is 4.841, then take this last Remainder from the former Remainder 7.183, and the Answer is 2.342, being the Value sought.

P R O B L E M XIII.

A. B. and *C.* agree together to Purchase an Annuity to be equally divided between them as long as they live together, then to be divided equally between the two Survivors, then to belong entirely to the last Survivor for Life. The Question is to know what each Person ought to pay towards the Purchase.

SOLUTION.

From the Value of the Life *A.* take half the Sum of the Values of the two joint Lives *A.* and *B.* and *A.* and *C.* and to the Remainder add one third of the Values of the three joint Lives *A. B. C.* the Sum shall be the Value *A.* ought to contribute.

Example.

Let the three given Ages be *A.* 20, *B.* 30, and *C.* 40 Years, and Interest at $\text{£}4$ per Cent. then from the Value of the Life *A.* 14.887 take half the Sum of the Values of the joint Lives *A. B.* and *A. C.* and the Remainder is 5.207, to which add one third of the Value of the three joint Lives *A. B. C.* 2.442, and the Answer is 7.649, being the Sum which *A.* ought to contribute, and after the same manner proceed to find the Values of the Lives *B.* and *C.* and you will find the Sum which *B.* ought to contribute 6.100, and the Sum which *C.* ought to contribute 5.372.

P R O B L E M XIV.

Supposing any given Number of Lives *P, Q, R.* and that *A.* or his Heirs are to receive a Sum of Money *S* upon the first Vacancy of any of these Lives, to find the present Value of *A.*'s Expectation.

SOLUTION.

Multiply the given Sum *S* by the Value of an Annuity for three joint Lives *P, Q, R.* and divide the Product by the Perpetuity or Fee Simple, subtract the Quotient from the given Sum, and the Remainder is the Value sought,

Example.

Example.

Let the Number of Lives be three, and their Ages each 25 Years, and Interest $\pounds 4$ per Cent. and the proposed Annuity $\pounds 150$, then the Value of an Annuity for the three joint Lives by Table XXXIII. is 8.439, and the Value of an Annuity of $\pounds 1$ for ever by Table XVII. worth 25 Year's Purchase we shall have by multiplying $\pounds 150$ by 8.439, and dividing by 25 have $\pounds 50.64$, which subtracted from $\pounds 150$ will leave $\pounds 99.36$ for the present Value of $\pounds 150$ to be received at the first Vacancy of the three proposed Lives.

P R O B L E M X V.

Suppose *A.* in Possession of an Annuity, and that *B.* after the Decease of *A.* is to have the Annuity for him and his Heirs for ever, what is the present Value of the Reversion.

SOLUTION.

From the Value of the Fee Simple subtract the Value of the Life in Possession, and the Remainder will be the Value of the Reversion.

Example.

Let the given Age be 40 Years, and Interest $\pounds 5$ per Cent. an Annuity on this Life is worth 10.365 Year's Purchase, which being subtracted from the Perpetuity or Fee Simple 20 the Remainder will be 9.635, which is the present Value of the Expectation of *B.*

P R O B L E M X VI.

Supposing there is a certain Sum of Money so depending that I am not to receive it till the Lives of *A. B. C.* are all extinct; what is the Value of that Sum in present Money.

SOLUTION.

Multiply the given Sum by the Value of an Annuity for the longest of the proposed Lives and divide the Product by the Perpetuity, and subtracting this Quotient from the given Sum, the Result will be the Answer required.

Example.

Let the Sum depending be $\pounds 100$, and let the Ages *A. B. C.* be each 40 Years, and Interest at $\pounds 4$ per Cent. their Value by Table XXXIV. is 16.730, which multiplied by $\pounds 100$ gives $\pounds 1673$, this divided by 25 the Perpetuity gives 66.92, then subtracting this Quotient from $\pounds 100$ leaves 33.08 the Value required.

P R O B L E M

P R O B L E M XVII.

Suppose that *A.* possesses an Estate, which, if he happens to die before he attains a certain Age, is to devolve to *B.* and his Heirs for ever, required the Value of *B.*'s Expectation.

SOLUTION.

From the Perpetuity subtract the Value of the Life of that Age to which *B.*'s Expectation is limited, and multiply the Remainder by the Probability that *A.* attains that Age, and this Product again by the present Value of £ 1 to be received at the End of the given Term, to this last Product add the Value of the Life *A.* and take the Sum from the Perpetuity, the Remainder is the Value required.

Example.

Let the given Age of *A.* be 7 Years, and Interest of Money £ 5 per Cent. and let *B.* be intitled to an Estate for himself and his Heirs for ever upon the Decease of *A.* if the said *A.* should happen to die before he attains the Age of 21. Now the Value of a Life of 21 Years by Table XXX. is 13.008, which taken from the Fee Simple 20, there remains 6.992, and this multiplied by $\frac{478}{531}$ the Probability that a Life of 7 has to attain to the Age of 21 gives 6.300, and the Product multiplied by 0.505, being the present Value of £ 1 to be received 14 Years hence (found in Table XI. under 14 Years) will give 3.182, and this added to 13.008 makes 16.182, which Sum deducted from the Perpetuity leaves 3.818 for the Value of *B.*'s Expectation, being 3 Years 3 Quarters and 1 Month's Purchase.

O F S U C C E S S I V E L I V E S .

P R O B L E M XVIII.

If *A.* enjoys an Annuity for his Life, and at his Decease has a Right to nominate a Successor *B.* who is likewise to enjoy the Annuity for his Life, what is the present Value of the two successive Lives?

SOLUTION.

From the Sum of the Values of the two single Lives let be taken their Product divided by the Perpetuity, the Remainder will be the Answer required.

Example.

Let the present Value of the Life *A.* who is in Possession be equal to 11.453 Years Purchase, and let the Life *B.* put in Nomination

mination at the Decease of *A.* be worth 16.471 Years Purchase, and the Value of the Annuity for ever worth 25 Years Purchase, then the Sum of the Values of the two single Lives is 27.924, and their Product 188.642; this last divided by the Perpetuity 25 gives 7.546, which being subtracted from 27.924 leaves 20.378 for the Value of the two successive Lives.

P R O B L E M XIX.

Three Lives *A. B. C.* being given in Succession, it is required to find their present Value.

SOLUTION.

Multiply the Value of each of the proposed Lives by the Interest of £1 for one Year, taking the several Products from Unity, and multiplying together all the Remainders, let the Product thus arising be also taken from Unity, and the Remainder multiplied into the Value of the Annuity for ever; then will the Result be the Value of an Annuity for all the successive Lives.

Example.

Admit there be three Lives given in Succession, whose Values are severally equal to 8.014, 10.042, and 15.120 Years Purchase, and Interest of Money at £4 per Cent. then the several Values multiplied respectively by 0.04, being the Interest of £1 for one Year, we shall have 0.32056, 0.40168, 0.6048, these severally subtracted from Unity leave 0.67944, 0.59832, 0.3952, whose Product 0.161643 subtracted from Unity there will remain 0.838357, and this multiplied by 25 the Perpetuity gives 20.960 for the present Value of the three Lives.

P R O B L E M XX.

Suppose that *A.* purchases an Estate in Copyhold, upon any Number of Lives *w, x, y, z* for the Sum *S*, on Condition that he and his Heirs shall renew it continually, upon the Failure of any Life for the Sum *s*; now it is required to find the present Value of the whole Purchase allowed for that Estate, likewise the Sum by which the Rent-roll of the Estate of the first Proprietor ought to be encreased on Account of those Renewals, and what Sum ought to be paid in justice at each Renewal.

This Problem requiring three different Solutions, I shall give them in order.

SOLUTION I.

Subtract the Sum of the Values of all the Lives upon which the Lease is first granted, from the Perpetuity multiplied by the
Number

Number of those Lives, and divide the Remainder by the Value of one of the Lives you intend to renew the Lease with, and multiply that Quotient by the Sum agreed upon to be paid for renewing, and the Product will be the Value of all the Sums to be paid for all the Renewals for ever, which added to the Value paid at first entering will give the Value of the Purchase required.

Example.

Let the proposed Estate be £100 *per Annum*, and the Number of Lives whereon the Leases is granted be three, and let their Values separately considered be worth 10, 12 and 15 Years Purchase, and Interest £4 *per Cent.* let the Sum paid upon entring be £1600, and that for renewing £400, and admit that the Purchaser may renew with what Lives he shall think proper, or those most to his Advantage.

Then the Sum of the Values of the three Lives will be 37 Years Purchase, which subtracted from three times the Perpetuity 75, leaves 38 Years Purchase; now take the greatest Value of a single Life at £4 *per Cent.* Table XXX. and you will find 17.7 nearly the Value of a Life of 7 Years to be the best; then dividing 38 by this you will have 2.147 which multiplied by £400, the Sum agreed to be paid upon renewing gives £858 : 16, being the present Value of all the Sums that may be paid from Time to Time for renewing; which added to the first Purchase Money £1600, gives £2458 : 16 the whole Value of the Purchase required.

SOLUTION II.

Multiply the Rent of one Year by the present Value of all the Sums that may be paid for Renewals (as found before) and divide the Product by the Perpetuity, and the Quotient will be the Sum by which the Rent-roll of the first Proprietor's Estate ought to be increased on Account of such Renewals.

Example.

The Rent of one Year being £100, the same being multiplied by £858.4 the present Value of all the Sums that may be paid for Renewals, the Product is £85840, then dividing by the Perpetuity or Worth of an Annuity of £100 in Fee Simple at £4 *per Cent.* viz. £2500 and the Quotient is £34 : 6 : 9, being the Increase of the Rent-roll required.

SOLUTION III.

Take the Difference between the Value paid upon first entering, and the Value of the Estate in Fee Simple, and multiply by the Value of the Life you are to renew with, then divide the Product by the Excess of the Rectangle of the Perpetuity into the given Number of Lives, above the Sum of the Values of all those Lives,

and the Quotient will be the Sum which, in justice, ought to be constantly paid for renewing.

Example.

Now the Sum paid on first entering (as before) is £1600, and the Value of the Estate in Fee Simple is £2500, their Difference then is £900, which multiplied by the Value of the Life you are to renew with £17.7 the Product is £15930, and this divided by 38 being the Excess of the Rectangle of the Perpetuity into the given Number of Lives, above the Sum of the Values of all those Lives, or in other Terms by 38 the Difference between the Perpetuity 25 multiplied by the three Lives (equal to 75) and the Sum of the Values of the three Lives 10, 12, 15 (equal to 37) the Quotient will be £419 : 4 : $2\frac{1}{2}$ the Sum which ought, in justice, to be paid at each Renewal.

Of a PERPETUAL ADVOWSON.

PROBLEM XXI.

First, suppose that at the Time of the Demise of the Incumbent, the Patron would receive a certain Sum for alienating his Right of the next Presentation in case the Law did not forbid the Alienation in that Circumstance of Time.

Secondly, suppose that when this Right is transferred, the Age of the Incumbent is such that an Annuity on his Life would be worth a certain Number of Years Purchase at a certain given Rate of Interest.

SOLUTION.

First, take the present Value of the Life of the Incumbent and multiply it by the Interest of £1, and reserve that Product.

Secondly, subtract this Product from Unity, and let this Remainder be multiplied by the Sum expected, and this new Product will shew the Right of the next Presentation, let this also be reserved.

Thirdly, then divide the second Quantity reserved by the first, and the Quotient will shew the present Value of the Right of Patronage or perpetual Recurrency.

Example.

Suppose the Life of the Incumbent worth eight Years Purchase, and Interest £5 per Cent. and the Sum to be £100, then multiply 8 Years by 0.05 and it produces 0.40, then in the next Place subtracting this Product 0.40 from Unity, there remains 0.60, which

which multiplied by the Sum £100 gives £60, and this Product will shew the Right of the next Presentation.

Then divide the second Quantity £60 reserved by the first 0.04 and the Quotient will be £150, which is the Right of the perpetual Recurrency.

OF REVERSIONS,

Where the Expectation depends upon the Probability of one particular Life in Possession, surviving the Rest.

For instance,

The Ages of two Persons *A.* and *B.* being given, to determine from the Table of Observations the Probability which each of them has to survive the other.

Suppose the Age of *A.* to be 40, and that of *B.* 30, then subtracting the Life *B.* from 80 the Extremity of old Age, we shall have 50 to be divided into five equal Parts, then will the Numbers answering to the several successive Ages 30, 40, 50, 60, 70, and 80 Years be 312, 215, 135, 72, &c. and the corresponding Decrements of Life 9, 10, 9, 7, 5 and 3, then let these Probabilities denote the Ordinates of a Curve, viz.

$$\begin{aligned} \frac{312 \times 9}{312 \times 408} &= a, \\ \frac{215 \times 10}{312 \times 408} &= b, \quad \frac{135 \times 9}{312 \times 408} = c, \quad \frac{72 \times 7}{312 \times 408} = d, \\ \frac{27 \times 5}{312 \times 408} &= e, \quad \text{and} \quad \frac{4 \times 3}{312 \times 408} = f, \text{ respectively} = \\ .0221 &= a, .0169 = b, .00955 = c, .00396 = d, .001061 \\ &= e, 000009 = f. \end{aligned}$$

Then a mean Ordinate from any given Number of Ordinates may be had by the under Theorems, where *a*, *b*, *c*, &c. denote the given Ordinates ranged according to order, and *m* denotes the corresponding mean Ordinate.

$$3. \text{ viz. } \frac{a+4b+c}{6} = m,$$

$$4. \frac{a+3b+3c+d}{8} = m,$$

$$5. \frac{7a+32b+12c+32d+7e}{90} = m,$$

$$6. \frac{19a+75b+50c+50d+75e+19f}{288} = m,$$

$$7. \frac{41a+216b+27c+272d+27e+216f+41g}{840} = m,$$

Now to find the mean Ordinate is done by the sixth Theorem, there being six Ordinates in this Case, then

$$19a = .0221 \times 19 = 0.4199$$

$$75b = .0169 \times 75 = 1.2674$$

$$50c = .00955 \times 50 = 0.4775$$

$$50d = .00396 \times 50 = 0.1980$$

$$75e = .00106 \times 75 = 0.0796$$

$$19f = .000009 \times 19 = 0.0001$$

$$2.4425$$

Divided by

$$288$$

$$= 0.00848090 = \text{the mean Ordinate required.}$$

Which being multiplied by 50 gives 0.4240450 for the required Probability of *A.* surviving *B.* whence the Probability of the contrary that *B.* survives *A.* will be found by taking the Complement to Unity, thus from 1. take 0.424045 remains 0.575955.

PROBLEM XXII.

A. and *B.* are in joint Possession of an Annuity, which if *A.* be the longer Liver is after both Lives are extinct to belong to *C.* and his Heirs for ever, to find the Value of the Expectation of *C.* on that Annuity.

SOLUTION.

From the Perpetuity subtract the Value of the two Lives in Possession, and multiply the Remainder by the Probability of *A.* surviving *B.* (found as above) and the Product will be the Value required.

Example.

Let the Age of *A.* be 40, that of *B.* 30, and Interest £4 per Cent. then the Values corresponding to these Ages are (by Problem III.) 15.976 Years Purchase, which taken from 25, the Perpetuity, leaves 9.024, and this multiplied by 0.4241, the Probability that *A.* survives *B.* gives 3.827 for the Number of Years Purchase required.

Here

Here follow several Logarithmical Solutions to the following Problems according to Mr DE MOIVRE'S Tables.

Before I propose the Problems I shall give the Common and Hyperbolic Logarithms answering to the several Rates of Interest as under.

At £3 per Cent.	$r=1.03$	Com.Log.=L=	0.0128372
3½	$r=1.035$	Com.Log.=L=	0.0149403
4	$r=1.04$	Com.Log.=L=	0.0170333
5	$r=1.05$	Com.Log.=L=	0.0211893
6	$r=1.06$	Com.Log.=L=	0.0253059

At £3 per Cent.	$r=$	Hyp. L = λ =	0.0278242
3½	$r=$	Hyp. L = λ =	0.0322362
4	$r=$	Hyp. L = λ =	0.0392207
5	$r=$	Hyp. L = λ =	0.0487901
6	$r=$	Hyp. L = λ =	0.0582589

Likewise let p and P denote present Value, a the Annuity, y the given Age, r the Rate of Interest, L the Log. F . the Table, shewing the present Value of £1 Annuity, G . the Logarithms to Table F . and H . the Logarithms to $F. + 1$.

PROBLEM XXIII.

To find the present Value (p) of any Annuity (a) to continue during the Life of a given Age (y) at any Rate of Interest specified in Table F .

SOLUTION.

y and r give F . and $p = a \times F$.

Example.

To find the present Value of an Annuity of £50 to continue during a Life 25 Years of Age, Interest at £5 per Cent. Seek the Age $y=25$, and r the Rate of Interest in Table F . and against the Age 25 under £5 per Cent. you will find 13.466 equal the Number of Years Purchase required, then $p=a \times F$ will be 13.466 multiplied by 50 which gives £673.333, or £673 : 6 : 8, being the Answer required.

PROBLEM XXIV.

To find the present Value (p'' and P'') of any Annuity (a) to continue during the Life of the shortest and longest Liver of two Persons

Persons of the Ages y' and y'' at any Rate of Interest specified in Table F.

SOLUTION.

Table F. y' and r give F ; y'' and r give F'' and $F' + F'' = M$:

Then put the Log. of the Rate $= L = R$ then y' and r give G' ; y'' and r give G'' ; and $G' + G'' + R = X$:

Then y' and r give H' ; y'' and r give H'' ; and $H' + H'' = Z$:

Note, The Numbers to the Logarithms X , Z , are x and z ; let

$$Q = \frac{x}{z - x}:$$

Then $p'' = a \times Q$; and $P'' = \overline{M - Q} \times a$.

Example.

Let it be required to find the present Value of an Annuity of £50 to continue during the shortest and longest Liver of two Persons of the Ages 20 and 35, Interest at £5 per Cent.

Then 13.891 = r and $y' = F'$ found in Tab. F. agft 20 Yrs at £5 per C.

12.449 = r and $y'' = F''$ ditto 35 ditto.

$$26.340 = F' + F'' = M.$$

Then y' and r give $G' = 1.14273$ Found in Table G. ditto.

y'' and r give $G'' = 1.09513$

$L = R = \text{Log. of Rate} = 0.02119$

Then $G' + G'' + R = X = 2.25905 = \text{Nat. Number} = 181.57$

Then y' and r give $H' = 1.17292$

y'' and r give $H'' = 1.12869$

And $H' + H'' = Z = 2.30161 = \text{Nat. Number} = 200.03$

Let $x = X = 181.57$

$z = Z = 200.03$

$$\text{And } Q = \frac{x}{z - x} = \frac{181.57}{200.03 - 181.57} = \frac{181.57}{18.46} = 9.8358$$

Then $p'' = a \times Q = £50 \times 9.8358 = £491 : 15 : 10 = \text{shortest Life.}$

And $P'' = \overline{M - Q} \times a = 26.340 - 9.8358 \times £50 = £825 : 4 = \text{longest Life.}$

PROBLEM

For the shortest and longest of THREE LIVES.

PROBLEM XXV.

Let it be required to find the present Value (P and P''') of any Annuity (a) to continue during the Life of the shortest and longest Liver of three Persons of the Ages y' , y'' , y''' , at any Rate of Interest given in the Tables.

SOLUTION.

Now in Table F.

y' 40	Present Worth at $\text{£}5$ per Cent. is	$\text{£}11.837 = F'$
y'' 37	— — — — —	12.214 = F''
y''' 34	— — — — —	12.562 = F'''

$\text{£}36.613 = M$
at $\text{£}5$ per Cent.

$$\begin{aligned} G' &= \text{Log. of } F' = \text{Log. } 1.07324 \\ G'' &= \text{Log. of } F'' = 1.08686 \\ G''' &= \text{Log. of } F''' = 1.09906 \end{aligned}$$

Again,

$$\begin{aligned} H' &= \text{Log. of } F' + 1 = 1.10846 \\ H'' &= \text{Log. of } F'' + 1 = 1.12103 \\ H''' &= \text{Log. of } F''' + 1 = 1.13233 \end{aligned}$$

Then combining them we have,

$$\begin{aligned} G' + G'' + R &= X' \\ G' + G''' + R &= X'' \\ G'' + G''' + R &= X''' \\ G' + G'' + G''' + 2R &= X'''' \end{aligned}$$

$$\begin{aligned} \text{And, } H' + H'' &= Z' \\ H' + H''' &= Z'' \\ H'' + H''' &= Z''' \\ H' + H'' + H''' &= Z'''' \end{aligned}$$

Z

Example.

Example.

What is the present Worth of an Annuity of £100 payable during the shortest and longest Life of three Men whose Ages are 40, 37 and 34 Years, Interest being £5 per Cent.?

Log.

Now $G' = 1.07324$ $G'' = 1.08686$ $R = 0.02119$

Num.

$$\left. \begin{array}{l} G' = 1.07324 \\ G'' = 1.08686 \\ R = 0.02119 \end{array} \right\} = 2.18129 = 151.81 = x'$$

 $G' = 1.07324$ $G''' = 1.09906$ $R = 0.02119$

$$\left. \begin{array}{l} G' = 1.07324 \\ G''' = 1.09906 \\ R = 0.02119 \end{array} \right\} = 2.19349 = 156.13 = x''$$

 $G'' = 1.08686$ $G''' = 1.09906$ $R = 0.02119$

$$\left. \begin{array}{l} G'' = 1.08686 \\ G''' = 1.09906 \\ R = 0.02119 \end{array} \right\} = 2.20711 = 161.11 = x'''$$

 $G' = 1.07324$ $G'' = 1.08686$ $G''' = 1.09906$ $2R = 0.04238$

$$\left. \begin{array}{l} G' = 1.07324 \\ G'' = 1.08686 \\ G''' = 1.09906 \\ 2R = 0.04238 \end{array} \right\} = 3.30154 = 2002.3 = x''''$$

And $H' = 1.10846$ $H'' = 1.12103$

$$\left. \begin{array}{l} H' = 1.10846 \\ H'' = 1.12103 \end{array} \right\} = 2.22949 = 169.63 = x'$$

 $H' = 1.10846$ $H''' = 1.13232$

$$\left. \begin{array}{l} H' = 1.10846 \\ H''' = 1.13232 \end{array} \right\} = 2.24078 = 174.09 = x''$$

 $H'' = 1.12103$ $H''' = 1.13232$

$$\left. \begin{array}{l} H'' = 1.12103 \\ H''' = 1.13232 \end{array} \right\} = 2.25335 = 179.21 = x'''$$

 $H' = 1.10846$ $H'' = 1.12103$ $H''' = 1.13232$

$$\left. \begin{array}{l} H' = 1.10846 \\ H'' = 1.12103 \\ H''' = 1.13232 \end{array} \right\} = 3.36181 = 2300.4 = x''''$$

Q

$$Q' = \frac{x'}{x' - x'} \pm \frac{151.81}{169.63 - 151.81} \pm \frac{151.81}{17.82} = 8.519$$

$$Q'' = \frac{x''}{x'' - x''} \pm \frac{156.13}{174.09 - 156.13} \pm \frac{156.13}{17.96} = 8.693$$

$$Q''' = \frac{x'''}{x''' - x'''} \pm \frac{161.11}{179.21 - 161.11} \pm \frac{161.11}{18.1} = 8.901$$

$$\text{Then } Q' + Q'' + Q''' = S = \underline{\underline{\pounds 26.113}}$$

$$\text{Again } Q'''' = \frac{x''''}{x'''' - x''''} = \frac{2002.3}{2300.4 - 2002.3} = \frac{2002.3}{298.1} = 6.717$$

$$Q'''' = 6.717 \times 100 = \pounds 671.14 = \text{the shortest Life.}$$

$$\text{Then } M + Q'''' = \pounds 36.613 + 6.717 = \pounds 43.330 = p''''.$$

$$\text{And } M + Q'''' - S = \pounds 43.330 - \pounds 26.113 = \pounds 17.217 \text{ and } \times \text{ by } 100 = \pounds 1721.7 = P'''' = \pounds 1721 : 14 = \text{the longest Life.}$$

PROBLEM XXVI.

To find the Value of an Annuity for a limited Interval of Life during which the Decrements of Life may be considered as equal.

SOLUTION.

Let a represent the Number of People living at the Beginning of the given Interval of Years, and b represent the Number of People living at the End of the same given Interval of Years.

Let s represent the Interval.

P = the Value of an Annuity certain for that Interval.

Q = the Value of an Annuity for Life, supposed to be extinct in the Time s .

$$\text{Then } Q + \frac{b}{a} \times P - Q = \text{the Value required.}$$

Example.

Let it be required to find the Value of an Annuity of $\pounds 50$ for an Age of 34, to continue no longer than 13 Years, and Interest at $\pounds 5$ per Cent.

It is found in the Table of Observations that a is 372, and b 242, now n = Number of Years = s = 13, and by Table XIII. the present Value of 13 Years Annuity is found 9.3936. Then

22

by

by putting $Q = \frac{1}{r-1} - \frac{P}{\lambda n}$, or which is in Words, from the

Fee Simple 20 subtract 14.81, being the Quotient of 9.3936 divided by the Hyperbolical Logarithm of the Rate multiplied by 13 Years, viz. 0.63427, and there remains 5.19. Then $Q +$

$\frac{1}{\lambda} \times P - Q =$ the Value required found thus,

$$\begin{array}{r} P = 9.3936 \\ - Q = 5.1900 \\ \hline \end{array}$$

$$\begin{array}{r} 4.2036 \times \text{by } \frac{242}{372} = 2.7340 \\ + Q = 5.1900 \\ \hline \end{array}$$

$$\begin{array}{r} \text{Multiplied by } 7.9240 \\ \hline 50 \text{ £} \end{array}$$

$$\begin{array}{r} \text{£ } 396.200 \\ \hline \end{array}$$

Answer, £396 : 4.

In Case the said Annuity was to be paid half yearly, then with the above Sum enter Table XXV. at £5 per Cent. and you will find that

$$\begin{array}{r} \text{£ } 300 = 3.704 \\ 90 = 1.111 \\ 6 = 0.074 \\ .2 = 0.003 \\ \hline \end{array}$$

$$\begin{array}{r} 4.892 \\ 396.200 \\ \hline \end{array}$$

$$\begin{array}{r} \text{£ } 401.092 \\ \hline \end{array}$$

Answer £401 : 1 : 10½



An Universal MONOMIAL THEOREM, contrived for any Rate of Compound Interest,
Yearly Payments.

Years.	Amount.
1 .	01
2 .	02.01
3 .	03.03.01
4 .	04.06.04.01
5 .	05.10.10.05.01
6 .	06.15.20.15.06.01
7 .	07.21.35.35.21.07.01
8 .	08.28.56.70.56.28.08.01
9 .	09.36.84.126.126.84.36.09.01
10 .	10.45.120.210.252.210.120.45.10.01
11 .	11.55.165.330.462.462.330.165.55.11.01
12 .	12.66.220.495.792.924.792.495.220.66.12.01
13 .	13.78.286.715.1287.1716.1716.1287.715.286.78.13.01
14 .	14.91.364.1001.2002.3003.3432.3003.2002.1001.364.91.14.01
15 .	15.105.455.1365.3003.5005.6435.6435.5005.3003.1365.455.15.01
16 .	16.120.560.1820.4368.8008.11440.12870.11440.8008.4368.1820.560.120.16.01
17 .	17.136.680.2380.6188.12376.19448.24310.24310.19448.12376.6188.2380.680.136.17.01
18 .	18.153.816.3060.8568.18564.31824.43758.48620.43758.31824.18564.8568.3060.816.153.18.01
19 .	19.171.969.3876.11628.27132.50388.75582.92378.92378.75582.50388.27132.11628.3876.969.171.19.01
20 .	20.190.1140.4845.15504.38760.77520.125970.167960.184756.167960.125970.77520.38760.15504.4845.190.20.01
21 .	21.210.1330.5985.20349.54264.116280.203490.293930.352716.352716.293930.203490.116280.54264.20349.21.01

The



The USE and MANNER of raising the

MONOMIAL THEOREM.

IT is evident from the Nature of the THEOREM that the Amount of £1 for one Year at £1 per Cent. per Annum, is £1.01, the Amount of £1 for two Years at ditto is £1.02.01, and the Amount of £1 for three Years £1.03.03.01. The Reason for making a Dot between each Term of the Progression is to preserve the Terms pure. Now let it be required to continue the Series to any Number of Years.

Admit, there is given the Amount of £1 for 12 Years to find the Amount of £1 for 13 Years.

Then 12 Years = £1.12.66.220.495. 792. 924. 792. 495. &c.
 Multiplied by .01 = .01.12. 66.220. 495. 792. 924. 792. &c.
 £1.13.78.286.715.1287.1716.1716.1287. =
 13 Years.

If the Amount of £1 Annuity had been required for the same Time, you must have proceeded in the same manner, only reckoning the first Term of the Series 13 as £13 then the other Terms follow in order. See Examples of the Use of the Theorem.

Example I.

What is the Amount of £1 forborn 12 Years at £6 per Cent. per Annum?

See the Work.

First Term 12
 Multiplied by 6 =

72

Second Term $66 \times 2 = 23.76$

Third Term $220 \times 3 = 4.75.20$

Fourth Term $495 \times 4 = 64.15.20$

Fifth Term $792 \times 5 = 6.15.85.92$

£1

$$\pounds 1.12 \times r + 66r^2 + 220r^3 + 495r^4 + 792r^5, \&c.$$

72.

23.76 *

4.75.20

64.15.20

6.15.86, &c.

$$\pounds 2.01215106 = \pounds 2.0122 = \text{Amount required. See Table XXVIII.}$$

Example II.

What is the Amount of $\pounds 1$ Annuity forborn 12 Years at $\pounds 5$ per Cent.?

See the Work.

Second Term 66

Multiplied by $6 = r$

Third Term 396

3. Fourth Term $220r^2 = 79.20$

4. Fifth Term $495r^3 = 10.69.20$

5. Sixth Term $792r^4 = 1.02.64.32$

6. Seventh Term $924r^5 = 7.18.50.24$

$$12 = 1\text{st Term} = \pounds 12.66r + 220r^2 + 495r^3 + 792r^4 + 924r^5,$$

3.96

79.20

10.69.20

1.02.64 &c.

7.18 &c.

$$\pounds 16.8699 \&c. \text{ See Table XXIX.}$$

☞ If the Payments are half yearly, &c. enter Table XXV.

* Each Value must be carried two Places to the right Hand, because the Index of the Term is 2, for let x denote 10, then $x \times x = 100 = x^2$, but in order to leave the Series in simple Terms I have omitted the dividing by x^2 continually, for the Series properly expressed would be $\pounds 1 + \frac{12r}{x^2} + \frac{66r^2}{x^4} + \frac{220r^3}{x^6} + \frac{495r^4}{x^8}, \&c.$

A TABLE of RESIDUALS or PARTS,
 shewing the Sum of Money answering to
 any Number of Parts.

Parts	s.	d.	Parts	s.	d.	Parts	s.	d.	Parts	s.	d.	Parts	s.	d.	Parts	s.	d.
900	18	0	86	1	$8\frac{3}{4}$	64	1	$3\frac{1}{4}$	42	10		20		$4\frac{1}{4}$			
800	16	0	85	1	$8\frac{1}{2}$	63	1	3	41	$9\frac{3}{4}$		19		$4\frac{1}{2}$			
700	14	0	84	1	$8\frac{1}{4}$	62	1	3	40	$9\frac{1}{2}$		18		$4\frac{1}{4}$			
600	12	0	83	1	8	61	1	$2\frac{3}{4}$	39	$9\frac{1}{4}$		17		4			
500	10	0	82	1	$7\frac{3}{4}$	60	1	$2\frac{1}{2}$	38	9		16		$3\frac{1}{2}$			
400	8	0	81	1	$7\frac{1}{2}$	59	1	$2\frac{1}{4}$	37	9		15		$3\frac{1}{4}$			
300	6	0	80	1	$7\frac{1}{4}$	58	1	2	36	$8\frac{3}{4}$		14		$3\frac{1}{4}$			
200	4	0	79	1	7	57	1	$1\frac{3}{4}$	35	$8\frac{1}{2}$		13		3			
100	2	0	78	1	$6\frac{3}{4}$	56	1	$1\frac{1}{2}$	34	$8\frac{1}{4}$		12		3			
99	1	$11\frac{3}{4}$	77	1	$6\frac{1}{2}$	55	1	$1\frac{1}{4}$	33	8		11		$2\frac{3}{4}$			
98	1	$11\frac{1}{2}$	76	1	$6\frac{1}{4}$	54	1	1	32	$7\frac{3}{4}$		10		$2\frac{1}{2}$			
97	1	$11\frac{1}{4}$	75	1	6	53	1	$0\frac{3}{4}$	31	$7\frac{1}{2}$		9		$2\frac{1}{4}$			
96	1	11	74	1	$5\frac{3}{4}$	52	1	$0\frac{1}{2}$	30	$7\frac{1}{4}$		8		2			
95	1	$10\frac{3}{4}$	73	1	$5\frac{1}{2}$	51	1	$0\frac{1}{4}$	29	7		7		$1\frac{3}{4}$			
94	1	$10\frac{1}{2}$	72	1	$5\frac{1}{4}$	50	1	0	28	$6\frac{3}{4}$		6		$1\frac{1}{2}$			
93	1	$10\frac{1}{4}$	71	1	5	49	0	$11\frac{3}{4}$	27	$6\frac{1}{2}$		5		$1\frac{1}{4}$			
92	1	10	70	1	$4\frac{3}{4}$	48	0	$11\frac{1}{2}$	26	$6\frac{1}{4}$		4		1			
91	1	$9\frac{3}{4}$	69	1	$4\frac{1}{2}$	47	0	$11\frac{1}{4}$	25	6		3		$\frac{3}{4}$			
90	1	$9\frac{1}{2}$	68	1	$4\frac{1}{4}$	46	0	11	24	$5\frac{3}{4}$		2		$\frac{1}{2}$			
89	1	$9\frac{1}{4}$	67	1	4	45	0	$10\frac{3}{4}$	23	$5\frac{1}{2}$		1		$\frac{1}{4}$			
88	1	9	66	1	$3\frac{3}{4}$	44	0	$10\frac{1}{2}$	22	$5\frac{1}{4}$							
87	1	9	65	1	$3\frac{1}{2}$	43	0	$10\frac{1}{4}$	21	5							

F I N I S.

